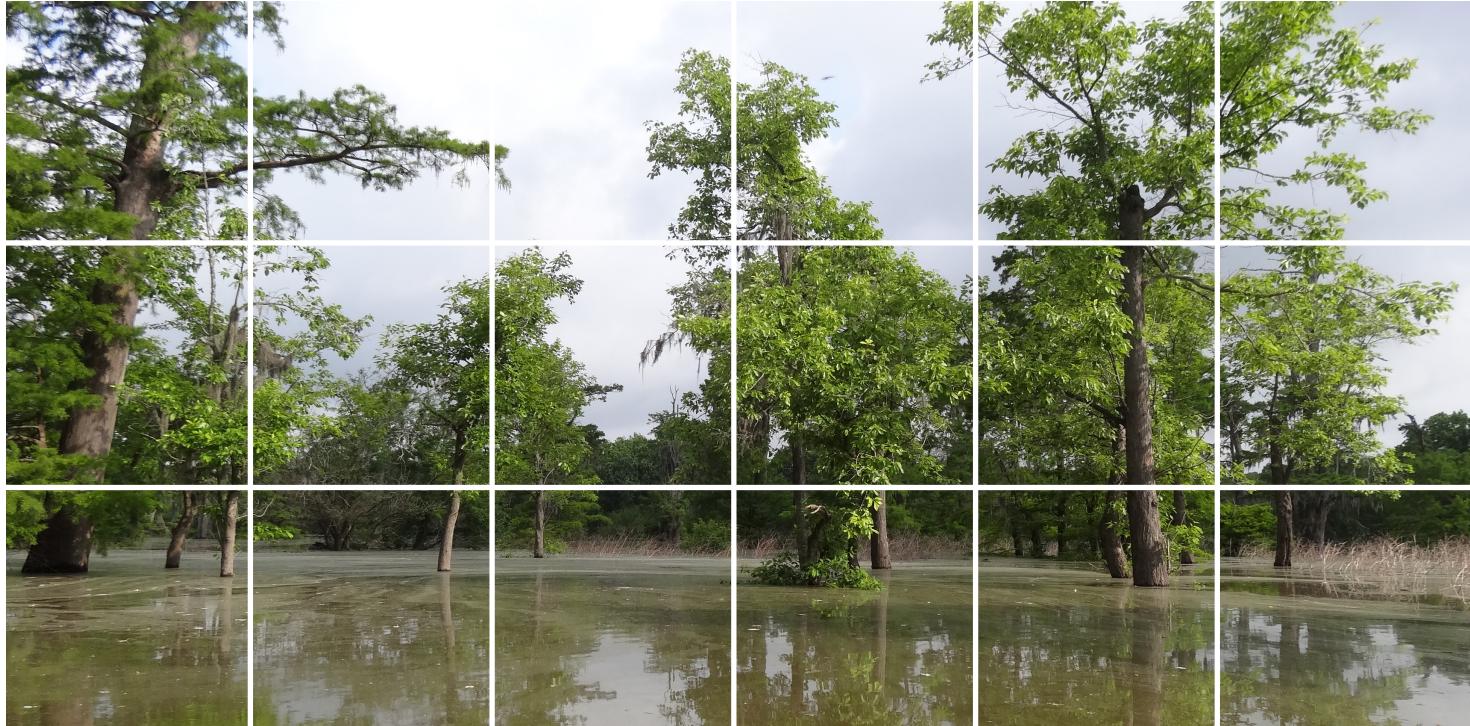




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ANALYTICAL DATA ASSESSMENT AND VALIDATION REPORT

TIER 2 REMEDIAL INVESTIGATION -
CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
AGENCY INTEREST (AI) NO. 86800
EPA ID LAD981155872, SSID #06N1
CERCLA DOCKET NO. 06 04 10

Prepared for: Baton Rouge Disposal, LLC

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ATTACHMENT A ANALYTICAL LAB REPORTS

1.0 INTRODUCTION

Clean Harbors Environmental Services, Inc., on behalf of Baton Rouge Disposal, LLC, submits herein to the United States Environmental Protection Agency (EPA) the Analytical Data Assessment and Validation Report for the Tier 2 Remedial Investigation (RI) at the Devil's Swamp Lake Site (Site) in East Baton Rouge Parish, Louisiana (Site). The following document includes an assessment and validation of analytical results for crawfish (tissue, offal, and hepatopancreas) samples collected as part of the Tier 2 RI at the Site. The report also includes data collected for the Louisiana Department of Environmental Quality (LDEQ) and Louisiana Department of Health and Hospitals (LDHH) fishing advisory. The Analytical Data Assessment and Validation Report for the fish tissue (channel catfish, largemouth bass, blue gill, and crappie) and sediment samples collected as part of the ongoing Tier 2 RI at the Site was reported previously on December 14, 2012. All samples were submitted to TestAmerica Inc. (TestAmerica), located in Pittsburgh, Pennsylvania. The polychlorinated biphenyl (PCB) congener analyses were performed at the TestAmerica in Knoxville, Tennessee. All other analyses were completed in the Pittsburgh laboratory. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodologies is presented in Table 3. The Tier 2 RI crawfish sample analytical laboratory reports are included in Attachment A.

Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, duplicate data, recovery data from surrogate spikes, laboratory control samples (LCS), matrix spikes, and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses); adherence to accuracy and precision criteria; transmittal errors; and anomalously high and low parameter values.

The QA/QC criteria by which these data have been evaluated are outlined in the analytical methods referenced in Table 3 and the documents entitled:

- i) "Quality Assurance Project Plan for the Tier 2 Remedial Investigation", Reference No. 055364-00(16), June 2012
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999
- iii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994

- iv) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540-R-04-004, October 2004

Item iv) was used as guidance for metals contract required detection limit (CRDL) standards evaluation. Items ii), iii), and iv) will subsequently be referred to as the "Guidelines". Validation of the PCB congener data was based on the method with guidance from the document "USEPA Region II Interim Guidelines for the Validation of Data Generated Using Method 1668 PCB Congener Data", April 2004.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results, supporting QA/QC and all raw data provided.

2.0 SAMPLE HOLDING TIME AND PRESERVATION

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly delivered on ice and stored by the laboratory at the required temperature (0-6 degree Celsius [°C]).

3.0 GAS CHROMATOGRAPH/MASS SPECTROMETER (GC/MS) AND INDUCTIVELY COUPLED PLASMA / MASS SPECTROMETER (ICP/MS) - TUNING AND MASS CALIBRATION - SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCS) AND METALS

3.1 SVOCS

Prior to analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, method 8270C requires the analysis of specific tuning compound decafluorotriphenylphosphine (DFTPP). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

The tuning compound was analyzed at the required frequency throughout the semi-volatile analysis period. All tuning criteria were met, indicating that proper optimization of the instrumentation was achieved.

3.2 METALS

To ensure adequate mass resolution, identification, and to some degree, sensitivity, the performance of each ICP/MS instrument used for metals analyses is checked prior to calibration and initiating an analysis sequence through the analysis of a tuning solution.

Instrument performance check data were reviewed. The tuning solution was analyzed at the required frequency throughout the analyses. The results of all instrument performance checks were within the method acceptance criteria, indicating that proper optimization of the instrumentation was achieved.

4.0 INSTRUMENT CALIBRATION

4.1 GC/MS CALIBRATION - SVOCs

4.1.1 INITIAL CALIBRATION

To quantify compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

- i) All relative response factors (RRFs) must be greater than or equal to 0.05
- ii) The percent relative standard deviation (RSD) values must not exceed 30.0 percent or a minimum coefficient of determination of 0.99 if quadratic equation calibration curves are used

The initial calibration data for SVOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

4.1.2 CONTINUING CALIBRATION

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

- i) All RRF values must be greater than or equal to 0.05
- ii) Percent difference (%D) values must not exceed 25 percent

Calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity and stability.

4.2 PCB CONGENER CALIBRATION

4.2.1 INITIAL CALIBRATION

Initially, a calibration curve consisting of a minimum of five concentration levels is analyzed. Linearity of the calibration curve is acceptable if all RSD values are less than or equal to 20.0 percent.

All calibration data were acceptable indicating adequate instrument sensitivity and linearity.

4.2.2 CONTINUING CALIBRATION

To ensure that the calibration of the instrument is valid throughout the sample analysis period and the instrument remains capable of producing acceptable qualitative and quantitative data, continuing calibration standards are analyzed and evaluated daily. Native and labeled PCB congeners in the calibration verification standard must meet the acceptance criteria for %D which are specified in Method 1668A.

Calibration verification standards were analyzed at the proper frequency and all acceptance criteria were met.

4.3 INORGANIC CALIBRATION

4.3.1 INITIAL CALIBRATION

Initial calibration of the instruments ensures that they are capable of producing satisfactory quantitative data at the beginning of a series of analyses. For ICP/MS analysis, a calibration blank and at least one standard must be analyzed at each wavelength to establish the analytical curve.

After the analyses of the calibration curves, initial calibration verification (ICV) standard must be analyzed to verify the analytical accuracy of the calibration curves. All analyte recoveries from the analyses of the ICVs must be within the following control limits:

<u>Analytical Method</u>	<u>Parameter</u>	<u>Control Limits</u>
ICP/MS	Metals	90 - 110%

Upon review of the data, it was determined that the calibration curves and ICVs were analyzed at the proper frequencies and that all of the above-specified criteria were met. The laboratory effectively demonstrated that the instrumentation used for metals and instrument general chemistry analyses were properly calibrated prior to sample analyses.

4.3.2 CONTINUING CALIBRATION

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration verification (CCV) standards are analyzed on a regular basis. Each CCV is deemed acceptable if all analyte recoveries are within the control limits specified above for the ICVs. If some of the CCV analyte recoveries are outside the control limits, samples analyzed before and after the CCV, up until the previous and proceeding CCV analyses, are affected.

For this study, CCVs were analyzed at the proper frequency. All analyte recoveries reported for the CCVs were within the specified limits.

5.0 LABORATORY BLANK ANALYSES

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced

during the analytical procedures. Additionally, initial and continuing calibration blanks (ICBs/CCBs) are routinely analyzed after each ICV/CCV for the inorganic parameters.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch. ICBs/CCBs were analyzed at a minimum frequency of one per 10 investigative or QA/QC samples.

5.1 SVOCS

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

5.2 PCB CONGENERS

Most method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation. Some congeners were present in the blanks at low concentrations. All associated positive sample results with similar concentrations were qualified as non-detect (see Table 4).

5.3 INORGANICS

Upon review of the ICBs, CCBs, and preparation blanks, it was noted that metal concentrations were observed above the method detection limit (MDL). Most investigative samples associated with the low level detections reported either non-detect concentrations or concentrations significantly greater than the associated laboratory blank concentrations for the analytes of interest. These sample results were not impacted by the contamination detected. Arsenic was present in the method blanks. Arsenic, lead, and mercury were present in the CCBs. Associated detected sample results with similar concentrations to the levels reported in the blanks were qualified non-detect (see Table 4 for method blanks and Table 5 for CCBs).

6.0 SURROGATE SPIKE RECOVERIES

In accordance with the methods employed, all samples, blanks and QC samples analyzed for SVOCs and PCB congeners are spiked with surrogate compounds prior to sample extraction and analysis. Labeled PCB congeners are added to each sample, blank, and QC sample prior to extraction to serve as surrogates. Surrogate recoveries

provide a means to evaluate the effects of individual sample matrices on analytical efficiency.

6.1 SVOCs

All samples submitted for analysis were spiked with 6 surrogate compounds prior to sample extraction and analysis. According to the "Guidelines", up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria.

6.2 PCB CONGENERS

All investigative samples submitted for PCB congener determinations were spiked with three surrogate compounds prior to sample extraction and analysis. All surrogate recoveries were within the Method 1668A limits.

7.0 INTERNAL STANDARDS ANALYSES

Internal standard data were evaluated for all SVOC, ICP/MS metal, and PCB congener sample analyses.

7.1 SVOCs

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, internal standard compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the internal standard responses.

The sample internal standard results were evaluated against the following criteria:

- i) The retention time of the internal standard must not vary more than plus or minus 30 seconds from the associated calibration standard
- ii) Internal standard area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard

All internal standard recoveries and retention times met the above criteria.

7.2 PCB CONGENERS

Labeled PCB congeners are added to each sample, method blank, and QC sample prior to extraction to be an internal standard for the quantitation of the native compounds.

Most labeled compound recoveries were within the laboratory control limits demonstrating acceptable analytical accuracy.

The IS recoveries of 4 labeled PCB congeners were slightly below the acceptance criteria. These results were qualified as estimated, "J", to reflect the implied low bias (see Table 6).

7.3 METALS

Internal standard elements were added to all samples prior to analysis. Overall instrument stability and performance for metals analyses were monitored using the internal standard intensity data. Internal standard recoveries were assessed using control limits of 60-125%.

All internal standard recoveries were acceptable, demonstrating good analytical performance.

8.0 LABORATORY CONTROL SAMPLE (LCS)/LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) ANALYSES

LCS and/or LCSD are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. (The relative percent difference [RPD] of the LCS/LCSD recoveries is used to evaluate analytical precision).

For this study, LCS and/or LCSDs were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

8.1 SVOCS

The LCS/LCSD contained all compounds of interest. All LCS recoveries and relative percent differences were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

8.2 PCB CONGENERS

The LCS contained the PCB congeners of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

8.3 INORGANICS

The LCS/LCSD contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries and relative percent differences were within the control limits, demonstrating acceptable analytical accuracy and precision.

9.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

The laboratory performed additional site-specific MS/MSD analyses internally.

9.1 SVOCS

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating good analytical accuracy and precision.

9.2 PCB CONGENERS

Based on the sample matrix, no MS/MSD samples were performed for PCB congener analysis.

9.3 INORGANICS

The MS/MSD samples were spiked with the analytes of interest and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating good analytical accuracy and precision.

10.0 DUPLICATE ANALYSES

For some parameters, analytical precision was evaluated based on the analysis of duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory internally.

Laboratory duplicate results' relative percent difference (RPD) control limits were established by the lab. All duplicate results associated with this sampling event showed adequate reproducibility indicating satisfactory laboratory precision.

11.0 ICP/MS SERIAL DILUTION

The serial dilution determines whether significant physical or chemical interferences exist due to sample matrix. A minimum of one per 20 investigative samples or at least one per analytical batch must be analyzed at a five-fold dilution. For samples with sufficient analyte concentrations, the serial dilution results must agree within 10 percent of the original results.

A serial dilution was performed on each MS/MSD sample. All results met the criteria above.

12.0 ICP/MS INTERFERENCE CHECK SAMPLE ANALYSIS (ICS)

To verify that the laboratory has established proper inter-element and background correction factors, ICSs are analyzed. These samples contain high concentrations of aluminum, calcium, magnesium and iron and are analyzed at the beginning and end of each sample analysis period.

ICS analysis results were evaluated for all samples using the criteria in the "Guidelines". All ICS recoveries and results were acceptable.

13.0 ANALYTE REPORTING

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the practical quantitation limit (PQL) but greater than the method detection limit (MDL) were qualified as estimated (J) in Table 2 unless qualified otherwise in this report. Non-detect results were presented as non-detect at the PQL in Table 2.

All tissue sample results were reported on a wet or "as received" weight basis.

14.0 TARGET COMPOUND IDENTIFICATION

Qualitative criteria for target compound identification have been established to minimize the number of erroneous identifications. An erroneous identification can be either a false-positive (reporting a target compound when it is not present in the sample), or false-negative (not reporting a compound that is present in the sample). The following criteria, as specified in the methods, must be met for a GC peak to be identified as a PCB congener:

- i) The signals for the two exact mass to charge ratios (m/z) for the congener must be present and maximized within plus or minus 2 seconds of one another.
- ii) The signal-to-noise ratio (S/N) of each of the two exact m/z 's for the congener must be greater than or equal to 2.5.
- iii) The ratio of the mass areas of the two exact m/z 's for the congener must be within the method limits.
- iv) For PCB congeners which have a corresponding labeled internal standard, the retention time of the PCB congener must be within minus 1 to plus 3 seconds of the retention time of its labeled internal standard. For PCB congeners which do not have a corresponding labeled internal standard, the relative retention time of the PCB congener must be within 5 percent of the relative retention time determined during the analysis of the 209 PCB congener standards.

Some sample results were reported as positive hits although one or more of the above criteria were not met. The associated results were qualified as estimated. A summary of these qualified data is presented in Table 7.

Various PCB congeners cannot be adequately resolved by the GC column and must be reported as mixtures of isomers (co-elutions). The laboratory had predetermined which congeners co-elute by analyzing individual congener standards during the laboratory's startup of the method. The results are reported as the sum of all the co-eluting congeners. The data flagged with a "*" in Table 2 correspond to the lowest numbered congener among the co-elution set. The data flagged with a "#" correspond to the remaining congeners in the co-elution set and should not be included in any data summations.

15.0 CONCLUSION

Based on this assessment, the data produced by TestAmerica were found to exhibit acceptable levels of accuracy and precision based on the provided information and may be used with the qualifications noted herein.

TABLES

TABLE 1

**SAMPLE COLLECTION AND ANALYSIS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Analysis/Parameters							
Sample ID	Location ID	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	SVOCs	Metals	209 list of PCB Congeners (EPA WW 1668A)	Lipid Content(Dichloromethane Extraction)
<i>Crawfish Tissue Samples</i>							
055364-T2-05-13-13-FT-CRAWFISH-1(T)	Lake	5/13/2013	12:10:00 PM	X	X	X	X
055364-T2-05-13-13-FT-CRAWFISH-1(O)	Lake	5/13/2013	12:00:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-2(T)	Lake	5/20/2013	12:00:00 PM	X	X	X	X
055364-T2-052013-FT-CRAWFISH-2(O)	Lake	5/20/2013	12:05:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-3(T)	Lake	5/20/2013	12:10:00 PM	X	X	X	X
055364-T2-052013-FT-CRAWFISH-3(O)	Lake	5/20/2013	12:15:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-4(T)	Lake	5/20/2013	12:20:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-4(O)	Lake	5/20/2013	12:25:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-5(T)	Lake	5/20/2013	12:30:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-5(O)	Lake	5/20/2013	12:30:00 PM			X	X
055364-T2-052213-FT-CRAWFISH-6(T)	Lake	5/22/2013	12:05:00 PM			X	X
055364-T2-052213-FT-CRAWFISH-6(O)	Lake	5/22/2013	12:05:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-7(T)	Lake	5/20/2013	12:32:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-7(O)	Lake	5/20/2013	12:32:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-8(T)	Lake	5/20/2013	12:34:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-8(O)	Lake	5/20/2013	12:34:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-9(T)	Lake	5/20/2013	12:36:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-9(O)	Lake	5/20/2013	12:36:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-10(T)	Lake	5/20/2013	12:40:00 PM			X	X
055364-T2-052013-FT-CRAWFISH-10(O)	Lake	5/20/2013	12:40:00 PM			X	X
055364-T2-052213-FT-CRAWFISH-11(T)	Lake	5/22/2013	11:35:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-11(O)	Lake	5/22/2013	11:35:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-12(T)	Lake	5/22/2013	11:40:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-12(O)	Lake	5/22/2013	11:40:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-13(T)	Lake	5/22/2013	11:45:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-13(O)	Lake	5/22/2013	11:45:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-14(T)	Lake	5/22/2013	11:50:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-14(O)	Lake	5/22/2013	11:50:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-15(T)	Lake	5/22/2013	11:55:00 AM			X	X
055364-T2-052213-FT-CRAWFISH-15(O)	Lake	5/22/2013	11:55:00 AM			X	X
055364-T2-052813-FT-CRAWFISH-16(T)	Lake	5/28/2013	12:00:00 PM	X	X	X	X
055364-T2-052813-FT-CRAWFISH-16(H)	Lake	5/28/2013	12:00:00 PM	X	X	X	X
055364-T2-052813-FT-CRAWFISH-17(T)	Lake	5/28/2013	12:15:00 PM	X	X	X	X
055364-T2-052813-FT-CRAWFISH-17(H)	Lake	5/28/2013	12:15:00 PM	X	X	X	X
055364-T2-052813-FT-CRAWFISH-18(T)	Lake	5/28/2013	12:25:00 PM	X	X	X	X
055364-T2-052813-FT-CRAWFISH-18(H)	Lake	5/28/2013	12:25:00 PM	X	X	X	X

Notes:

SVOCs = Semi-Volatile Organic Compounds

PCBs = Polychlorinated Biphenyls

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-05-13-13-FT-CRAWFISH-1(O)	055364-T2-05-13-13-FT-CRAWFISH-1(T)	055364-T2-052013-FT-CRAWFISH-2(O)	055364-T2-052013-FT-CRAWFISH-2(T)	055364-T2-052013-FT-CRAWFISH-3(O)	055364-T2-052013-FT-CRAWFISH-3(T)	
Sample Date:	5/13/2013	5/13/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters							
<i>Semi-Volatile Organic Compounds (SVOCs)</i>							
Hexachlorobenzene	µg/kg	-	< 40	-	< 40	-	< 40
Hexachlorobutadiene	µg/kg	-	< 40	-	< 40	-	< 40
Metals							
Arsenic	mg/kg	-	< 0.081	-	< 0.078	-	< 0.081
Lead	mg/kg	-	0.037 J	-	0.48	-	0.034 J
Mercury	mg/kg	-	0.020 J	-	< 0.033	-	0.027 J
General Chemistry							
Lipids	%	1.0	0.066 J	2.3	0.052 J	2.4	0.14
Polychlorinated Biphenyls (PCBs)							
(PCB 1) 2-Chlorobiphenyl	ng/g	< 0.0096	< 0.010	0.0040 J	< 0.023	0.0031 J	< 0.023
(PCB 10) 2,6-Dichlorobiphenyl	ng/g	0.00059 J	< 0.010	< 0.020	0.0015 J	< 0.020	< 0.023
(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	0.0020 J#	< 0.020	< 0.023
(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	ng/g	0.93 #	0.25 #	0.64 #	0.16 #	0.64 #	0.14 #
(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	ng/g	0.0049 J#	< 0.010	< 0.020	< 0.023	< 0.020	< 0.023
(PCB 103) 2,2',4,5,6-Pentachlorobiphenyl	ng/g	0.014	0.0043 J	0.010 J	< 0.023	0.013 J	< 0.023
(PCB 104) 2,2',4,6,6-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020	< 0.023
(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	ng/g	0.19	0.032	0.20	0.016 J	0.17	0.012 J
(PCB 106) 2,3,3',4,5-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020	< 0.023
(PCB 107/108) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,5-Pentachlorobiphenyl	ng/g	0.034 *	0.012 *	0.026 *	0.0050 J*	0.026 *	0.0036 J*
(PCB 107/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.079	0.013	0.065	0.0051 J	0.065	0.0039 J
(PCB 108/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.29 #	0.077 #	0.21 #	0.047 #	0.24 #	0.037 #
(PCB 11) 3,3'-Dichlorobiphenyl	ng/g	0.027	0.0091 J	0.032 J	< 0.045	0.033 J	< 0.045
(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	ng/g	0.19 *	0.043 *	0.14 *	0.026 *	0.16 *	0.025 *
(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	ng/g	0.0048 J	< 0.010	0.0045 J	< 0.023	0.0033 J	< 0.023
(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020	< 0.023
(PCB 113) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	0.93 #	0.25 #	0.64 #	0.16 #	0.64 #	0.14 #
(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.017	0.0019 J	0.016 J	< 0.023	0.013 J	< 0.023
(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	ng/g	0.19 #	0.043 #	0.14 #	0.026 #	0.16 #	0.025 #
(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	ng/g	0.13 #	0.016 J#	0.11 #	0.0085 J#	0.11 #	0.0056 J#
(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	ng/g	0.13 #	0.016 J#	0.11 #	0.0085 J#	0.11 #	0.0056 J#
(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	0.91	0.11	0.83	0.060	0.71	0.045
(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	ng/g	0.29 #	0.077 #	0.21 #	0.047 #	0.24 #	0.037 #
(PCB 12) 3,4-Dichlorobiphenyl	ng/g	< 0.0096	0.0011 *	0.0035 J*	< 0.023	< 0.020	< 0.023
(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	ng/g	0.018	< 0.010	0.011 J	< 0.023	0.015 J	< 0.023
(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020	< 0.023
(PCB 122) 2,3,3',4',5-Pentachlorobiphenyl	ng/g	0.0075 J	0.0016 J	0.0063 J	< 0.023	0.0068 J	< 0.023
(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.013 J	0.0016 J	0.017 J	0.0018 J	0.014 J	< 0.023
(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	ng/g	0.034 #	0.012 #	0.026 #	0.0050 J#	0.026 #	0.0036 J#
(PCB 125) 2,3',4',5,6-Pentachlorobiphenyl	ng/g	0.29 #	0.077 #	0.21 #	0.047 #	0.24 #	0.037 #
(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	ng/g	0.0030 J	< 0.010	0.021 J	< 0.023	0.018 J	< 0.023
(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	ng/g	0.0020 J	< 0.010	0.0026 J	< 0.023	0.0025 J	< 0.023
(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	ng/g	0.098 *	0.013 J*	0.10 *	0.0084 *	0.095 *	0.0058 *
(PCB 129) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	1.1 *	0.17 *	0.88 *	0.096 *	0.82 *	0.082 *
(PCB 13) 3,4'-Dichlorobiphenyl	ng/g	< 0.0096	0.0011 J#	0.0035 J#	< 0.023	< 0.020	< 0.023
(PCB 130) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	0.064	0.013 J	0.052	0.0089 J	0.047	0.0061 J
(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	0.0020 J	< 0.010	< 0.020	< 0.023	< 0.020	< 0.023
(PCB 132) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	0.077	0.024	0.055	0.010 J	0.061	0.0084 J
(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	ng/g	0.034	0.0038 J	0.019 J	< 0.023	0.023 J	< 0.023
(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	ng/g	0.022 *	0.0060 J*	0.010 J*	0.0043 J*	0.017 J*	< 0.023
(PCB 135) 2,2',3,3',5,6-Hexachlorobiphenyl	ng/g	0.21 *	0.089 *	0.21 *	0.062 *	0.21 *	0.056 *
(PCB 136) 2,2',3,3',6,6-Hexachlorobiphenyl	ng/g	0.027	0.011	0.027	0.0053 J	0.028 J	0.0037 J
(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.050	0.0044 J	0.041	0.0043 J	0.038 J	0.0013 J
(PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	1.1 #	0.17 #	0.88 #	0.096 #	0.82 #	0.082 #
(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	ng/g	0.0085 J*	< 0.010	0.0053 J*	< 0.023	0.0058 J*	< 0.023

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-05-13-13-FT-CRAWFISH-1(O)	055364-T2-05-13-13-FT-CRAWFISH-1(T)	055364-T2-052013-FT-CRAWFISH-2(O)	055364-T2-052013-FT-CRAWFISH-2(T)	055364-T2-052013-FT-CRAWFISH-3(O)	055364-T2-052013-FT-CRAWFISH-3(T)
Sample Date:	5/13/2013	5/13/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 14) 3,5-Dichlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl	ng/g	0.0085 J#	< 0.010	0.0053 J#	< 0.023	0.0058 J#
(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.16	0.088	0.12	0.044	0.11
(PCB 142) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.022 #	0.0060 J#	0.010 J#	0.0043 J#	0.017 J#
(PCB 144) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	0.028	0.013	0.028 J	0.0081 J	0.023
(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.24	0.045	0.17	0.025	0.17
(PCB 147) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	0.43 *	0.16 *	0.28 *	0.090 *	0.31 *
(PCB 148) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.0042 J	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 149) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	0.43 #	0.16 #	0.28 #	0.090 #	0.31 #
(PCB 15) 4,4'-Dichlorobiphenyl	ng/g	0.017	0.0028 J	0.019 J	0.0034 J	0.026 J
(PCB 150) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	0.0022 J	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 151) 2,2',3,5,5,6-Hexachlorobiphenyl	ng/g	0.21 #	0.089 #	0.21 #	0.062 #	0.21 #
(PCB 152) 2,2',3,5,6,6-Hexachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 153) 2,2',4,4',5,5'-Hexachlorobiphenyl	ng/g	1.1 *	0.10 *	0.83 *	0.062 *	0.82 *
(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	ng/g	0.032	0.0038 J	0.021 J	0.0021 J	0.013 J
(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	ng/g	0.10 *	0.013 *	0.10 *	0.0065 J*	0.088 *
(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	0.10 #	0.013 #	0.10 #	0.0065 J#	0.088 #
(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	ng/g	0.055	0.0097 J	0.058	0.0053 J	0.052
(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0048 J	0.0029 J	0.0077 J	0.00093 J	0.0048 J
(PCB 16) 2,2',3-Trichlorobiphenyl	ng/g	0.0034 J	< 0.010	0.011 J	< 0.023	< 0.020
(PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	1.1 #	0.17 #	0.88 #	0.096 #	0.82 #
(PCB 161) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0054 J	< 0.010	0.0047 J	< 0.023	0.0043 J
(PCB 163) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	1.1 #	0.17 #	0.88 #	0.096 #	0.82 #
(PCB 164) 2,3,3',4,5',6-Hexachlorobiphenyl	ng/g	0.061	0.028	0.051	0.016 J	0.043
(PCB 165) 2,3,3',5,5,6-Hexachlorobiphenyl	ng/g	0.0036 J	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	ng/g	0.098 #	0.013 J#	0.10 #	0.0084 J#	0.095 #
(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	0.051	0.0056 J	0.044	0.0038 J	0.045
(PCB 168) 2,3',4,4',5,6-Hexachlorobiphenyl	ng/g	1.1 #	0.10 #	0.83 #	0.062 #	0.82 #
(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	0.0012 J	< 0.010	0.010 J	< 0.023	0.0042 J
(PCB 17) 2,2,4-Trichlorobiphenyl	ng/g	0.0031 J	< 0.010	0.0090 J	< 0.023	< 0.020
(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	ng/g	0.11	0.012	0.085	0.0070 J	0.11
(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	ng/g	0.023 *	0.0033 J*	0.026 *	< 0.023	0.027 *
(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	ng/g	0.032	0.0051 J	0.036	0.0028 J	0.035
(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.023 #	0.0033 J#	0.026 #	< 0.023	0.027 #
(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.10	0.055	0.12	0.031	0.11
(PCB 175) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.0064 J	< 0.010	< 0.020	< 0.023	0.0046 J
(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	ng/g	0.0095 J	0.0026 J	0.0090 J	< 0.023	0.0078 J
(PCB 177) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.089	0.017	0.088	0.012 J	0.089 J
(PCB 178) 2,2',3,3',5,5,6-Heptachlorobiphenyl	ng/g	0.067	0.014	0.067	0.0061 J	0.064
(PCB 179) 2,2',3,3',5,6,6-Heptachlorobiphenyl	ng/g	0.039	0.012	0.031	0.0070 J	0.036
(PCB 18) 2,2',5-Trichlorobiphenyl	ng/g	0.024 J*	0.0079 J*	0.027 J*	0.0050 J*	0.030 J*
(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.36 *	0.041 *	0.38 *	0.026 *	0.36 *
(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.0033 J	< 0.010	0.0074 J	< 0.023	0.0039 J
(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	0.0045 J	< 0.010	0.0028 J	< 0.023	< 0.020
(PCB 183) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.10 *	0.024 *	0.11 *	0.016 J*	0.11 *
(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	ng/g	0.10 #	0.024 #	0.11 #	0.016 J#	0.11 #
(PCB 186) 2,2',3,4,5,6,6-Heptachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 187) 2,2',3,4,5,5',6-Heptachlorobiphenyl	ng/g	0.41	0.11	0.40	0.074	0.37
(PCB 188) 2,2',3,4,5,6,6-Heptachlorobiphenyl	ng/g	0.0046 J	< 0.010	< 0.020	< 0.023	0.0027 J
(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	ng/g	0.0066 J	< 0.010	0.0049 J	< 0.023	0.0057 J
(PCB 19) 2,2',6-Trichlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.035	0.0037 J	0.030	0.0024 J	0.032
(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.0075 J	0.0016 J	0.0090 J	< 0.023	0.0048 J

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-05-13-13-FT-CRAWFISH-1(O)	055364-T2-05-13-13-FT-CRAWFISH-1(T)	055364-T2-052013-FT-CRAWFISH-2(O)	055364-T2-052013-FT-CRAWFISH-2(T)	055364-T2-052013-FT-CRAWFISH-3(O)	055364-T2-052013-FT-CRAWFISH-3(T)
Sample Date:	5/13/2013	5/13/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	< 0.0096	< 0.010	0.0034 J	< 0.023	< 0.020
(PCB 193) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	0.36 #	0.041 #	0.38 #	0.026 #	0.36 #
(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.050	0.0035 J	0.042	< 0.023	0.044 J
(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	ng/g	0.020	< 0.010	0.023	0.0036 J	0.016 J
(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	ng/g	0.027	0.0040 J	0.014 J	< 0.023	0.022
(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	ng/g	0.0049 J	0.0019 J	< 0.020	< 0.023	0.0046 J
(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	ng/g	0.098 *	0.022 *	0.058 *	0.011 J*	0.086 *
(PCB 199/200) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.0047 J	< 0.010	0.0041 J	< 0.023	0.0030 J
(PCB 199/201) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	ng/g	0.098 #	0.022 #	0.058 #	0.011 J#	0.086 #
(PCB 2) 3-Chlorobiphenyl	ng/g	0.0013 J	< 0.010	0.0078 J	< 0.023	< 0.020
(PCB 20) 2,3,3'-Trichlorobiphenyl	ng/g	0.17 *	0.025 *	0.16 *	0.017 J*	0.15 *
(PCB 200/201) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	ng/g	0.015	0.0015 J	0.0088 J	< 0.023	0.013 J
(PCB 202) 2,2',3,3',5,5',6-Octachlorobiphenyl	ng/g	0.035	0.0049 J	0.023	0.0019 J	0.032
(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	ng/g	0.041	0.0039 J	0.023	< 0.023	0.036
(PCB 204) 2,2',3,4,4',5,6,6-Octachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	ng/g	0.0036 J	< 0.010	< 0.020	< 0.023	0.0051 J
(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	ng/g	0.038	0.0059 J	0.024 J	< 0.023	0.030
(PCB 207) 2,2',3,3',4,4',5,6,6-Nonachlorobiphenyl	ng/g	0.0071 J	< 0.010	< 0.020	< 0.023	0.0077 J
(PCB 208) 2,2',3,3',4,5,5',6,6-Nonachlorobiphenyl	ng/g	0.024	0.0033 J	0.013 J	< 0.023	0.024
(PCB 209) Decachlorobiphenyl	ng/g	0.043	0.0051 J	0.024	< 0.023	0.024 J
(PCB 21) 2,3,4-Trichlorobiphenyl	ng/g	0.0083 J*	0.0025 J*	0.0077 J*	< 0.023	0.0071 J*
(PCB 22) 2,3,4'-Trichlorobiphenyl	ng/g	0.0046 J	0.0020 J	0.0078 J	0.00087 J	0.0017 J
(PCB 23) 2,3,5-Trichlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 24) 2,3,6-Trichlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	0.028 J
(PCB 25) 2,3',4-Trichlorobiphenyl	ng/g	0.015	0.0023 J	0.014 J	0.0017 J	0.013 J
(PCB 26) 2,3',5-Trichlorobiphenyl	ng/g	0.077 *	0.027 *	0.073 *	0.015 J*	0.067 J*
(PCB 27) 2,3',6-Trichlorobiphenyl	ng/g	0.0020 J	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 28) 2,4,4'-Trichlorobiphenyl	ng/g	0.17 #	0.025 #	0.16 #	0.017 J#	0.15 #
(PCB 29) 2,4,5-Trichlorobiphenyl	ng/g	0.077 #	0.027 #	0.073 #	0.015 J#	0.067 J#
(PCB 3) 4-Monochlorobiphenyl	ng/g	< 0.0096	< 0.010	0.0092 J	< 0.023	< 0.020
(PCB 30) 2,4,6-Trichlorobiphenyl	ng/g	0.024 J#	0.0079 J#	0.027 #	0.0050 J#	0.030 J#
(PCB 31) 2,4',5-Trichlorobiphenyl	ng/g	0.081	0.018 J	0.066 J	0.011 J	0.071 J
(PCB 32) 2,4',6-Trichlorobiphenyl	ng/g	0.0021 J	< 0.010	0.0032 J	0.0019 J	< 0.020
(PCB 33) 2',3,4-Trichlorobiphenyl	ng/g	0.0083 J#	0.0025 J#	0.0077 J#	0.0018 J#	0.0071 J#
(PCB 34) 2,3',5-Trichlorobiphenyl	ng/g	0.0012 J	< 0.010	< 0.020	< 0.023	0.0031 J
(PCB 35) 3,3',4-Trichlorobiphenyl	ng/g	0.0017 J	0.00050 J	< 0.020	< 0.023	0.0024 J
(PCB 36) 3,3',5-Trichlorobiphenyl	ng/g	0.00084 J	< 0.010	0.012 J	< 0.023	0.0071 J
(PCB 37) 3,4,4'-Trichlorobiphenyl	ng/g	0.020	0.0051 J	0.020 J	0.0019 J	0.021 J
(PCB 38) 3,4,5-Trichlorobiphenyl	ng/g	< 0.0096	< 0.010	0.0087 J	< 0.023	< 0.020
(PCB 39) 3,4',5-Trichlorobiphenyl	ng/g	0.00084 J	< 0.010	0.0017 J	< 0.023	< 0.020
(PCB 4) 2,2-Dichlorobiphenyl	ng/g	0.0016 J	0.0013 J	< 0.040	0.0040 J	< 0.039
(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	ng/g	0.016 J*	0.0067 J*	0.0087 J*	0.0035 J*	0.011 J*
(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	ng/g	0.016 J#	0.0067 J#	0.0087 J#	0.0035 J#	0.011 J#
(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	ng/g	0.0077 J	0.0031 J	< 0.020	0.0016 J	0.0062 J
(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	ng/g	0.0038 J*	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	ng/g	0.20 *	0.058 *	0.19 *	0.034 *	0.17 *
(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	ng/g	0.0018 J*	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	ng/g	0.20 #	0.058 #	0.19 #	0.034 #	0.17 #
(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	ng/g	0.0070 J	0.0032 J	0.0043 J	0.0024 J	0.0059 J
(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	ng/g	0.081 *	0.025 *	0.064 *	0.016 J*	0.063 *
(PCB 5) 2,3-Dichlorobiphenyl	ng/g	0.00042 J	< 0.010	< 0.020	0.0018 J	< 0.020
(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	ng/g	0.0081 J*	0.0042 J*	0.0065 J*	0.0022 J*	0.0085 J*
(PCB 51) 2,2',4,6'-Tetrachlorobiphenyl	ng/g	0.0018 J#	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	ng/g	0.38	0.17	0.32	0.099	0.27
(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	ng/g	0.0081 J#	0.0042 J#	0.0065 J#	0.0022 J#	0.0085 J#
(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.023

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-05-13-13-FT-CRAWFISH-1(O)	055364-T2-05-13-13-FT-CRAWFISH-1(T)	055364-T2-052013-FT-CRAWFISH-2(O)	055364-T2-052013-FT-CRAWFISH-2(T)	055364-T2-052013-FT-CRAWFISH-3(O)	055364-T2-052013-FT-CRAWFISH-3(T)
Sample Date:	5/13/2013	5/13/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	ng/g	0.0030 J	0.0018 J	0.0018 J	0.0013 J	0.0027 J
(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	ng/g	0.024	0.0081 J	0.018 J	0.0043 J	0.022
(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	ng/g	0.0049 J	< 0.010	< 0.020	< 0.023	0.0027 J
(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	ng/g	0.0028 J	0.0015 J	0.0034 J	0.00092 J	0.0025 J
(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	ng/g	0.014 J*	0.0037 J*	0.0077 J*	0.0028 J*	0.0098 J*
(PCB 6) 2,3'-Dichlorobiphenyl	ng/g	0.0030 J	0.0013 J	< 0.020	0.0030 J	< 0.020
(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	ng/g	0.021	0.010	0.018 J	0.0035 J	0.014 J
(PCB 61) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.30 *	0.092 *	0.21 *	0.042 J*	0.22 *
(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	ng/g	0.014 J#	0.0037 J#	0.0077 J#	0.0028 J#	0.0098 J#
(PCB 63) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.023	0.0024 J	0.019 J	0.0020 J	0.017 J
(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	ng/g	0.0067 J	0.0048 J	0.0050 J	0.0018 J	0.0047 J
(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	ng/g	0.20 #	0.058 #	0.19 #	0.034 #	0.17 #
(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	0.37	0.065	0.28	0.034	0.25
(PCB 67) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.0057 J	< 0.010	< 0.020	< 0.023	0.0025 J
(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.023	0.0030 J	0.018 J	0.0016 J	0.014 J
(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	ng/g	0.081 #	0.025 #	0.064 #	0.016 J#	0.063 #
(PCB 7) 2,4-Dichlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 70) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.30 #	0.092 #	0.21 #	0.042 J#	0.22 #
(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	ng/g	0.016 J#	0.0067 J#	0.0087 J#	0.0035 J#	0.011 J#
(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	ng/g	0.029	0.0074 J	0.016 J	0.0040 J	0.018 J
(PCB 73) 2,3',5',6-Tetrachlorobiphenyl	ng/g	0.0038 J#	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 74) 2,4,4',5-Tetrachlorobiphenyl	ng/g	0.30 #	0.092 #	0.21 #	0.042 J#	0.22 #
(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	ng/g	0.014 J#	0.0037 J#	0.0077 J#	0.0028 J#	0.0098 J#
(PCB 76) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.30 #	0.092 #	0.21 #	0.042 J#	0.22 #
(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	ng/g	0.018	0.0046 J	0.011 J	0.0024 J	0.016 J
(PCB 78) 3,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	ng/g	0.0032 J	< 0.010	0.0029 J	0.0013 J	0.0039 J
(PCB 8) 2,4'-Dichlorobiphenyl	ng/g	< 0.019	< 0.020	< 0.040	< 0.045	< 0.039
(PCB 80) 3,3',5,5'-Tetrachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	ng/g	0.00095 J	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	ng/g	0.0074 J	< 0.010	0.0087 J	< 0.023	0.0055 J
(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	ng/g	0.79 *	0.074 *	0.56 *	0.049 *	0.59 *
(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	ng/g	0.020 J	0.0050 J	0.018 J	0.0038 J	0.017 J
(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.13 *	0.016 J*	0.11 *	0.0085 J*	0.11 *
(PCB 86) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.29 *	0.077 *	0.21 *	0.047 *	0.24 *
(PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl	ng/g	0.29 #	0.077 #	0.21 #	0.047 #	0.24 #
(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.075 *	0.0076 J*	0.061 *	0.0071 J*	0.058 *
(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 9) 2,5-Dichlorobiphenyl	ng/g	0.0014 J	0.00093 J	< 0.020	< 0.023	< 0.020
(PCB 90) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.93 *	0.25 *	0.64 *	0.16 *	0.64 *
(PCB 91) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.075 #	0.0076 J#	0.061 #	0.0071 J#	0.058 #
(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	ng/g	0.20	0.051	0.13	0.034	0.14
(PCB 93) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	0.0020 J*	< 0.020
(PCB 94) 2,2',3,5,6'-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	ng/g	0.26	0.12	0.17	0.074	0.19
(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	ng/g	< 0.0096	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 97) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.29 #	0.077 #	0.21 #	0.047 #	0.24 #
(PCB 98) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.0049 J*	< 0.010	< 0.020	< 0.023	< 0.020
(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	ng/g	0.79 #	0.074 #	0.56 #	0.049 #	0.59 #

Notes:

- Not analyzed.

< Not present at or above the associated value.

J Estimated concentration.

* Associated concentration is the sum of co-eluting congeners (i.e. PCB 86).

Indicates a redundant concentration from the co-elution set and should not be included in data summation (i.e. PCB 87).

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-4(O)	055364-T2-052013-FT-CRAWFISH-4(T)	055364-T2-052013-FT-CRAWFISH-5(O)	055364-T2-052013-FT-CRAWFISH-5(T)	055364-T2-052213-FT-CRAWFISH-6(O)	055364-T2-052213-FT-CRAWFISH-6(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/22/2013	5/22/2013
Parameters						
Semi-Volatile Organic Compounds (SVOCs)						
Hexachlorobenzene	µg/kg	-	-	-	-	-
Hexachlorobutadiene	µg/kg	-	-	-	-	-
Metals						
Arsenic	mg/kg	-	-	-	-	-
Lead	mg/kg	-	-	-	-	-
Mercury	mg/kg	-	-	-	-	-
General Chemistry						
Lipids	%	2.5	0.12	2.6	0.097 J	3.1
						0.20
Polychlorinated Biphenyls (PCBs)						
(PCB 1) 2-Chlorobiphenyl	ng/g	0.0014 J	0.0022 J	< 0.020	< 0.021	0.0037 J
(PCB 10) 2,6-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	ng/g	1.1 #	0.20 #	1.1 #	0.25 #	0.14 #
(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 103) 2,2',4,5,6-Pentachlorobiphenyl	ng/g	0.020 J	< 0.022	0.018 J	< 0.021	< 0.020
(PCB 104) 2,2',4,6,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	ng/g	0.23	0.017 J	0.23	0.015 J	0.016 J
(PCB 106) 2,3,3',4,5-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 107/108) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.038 *	0.0047 J*	0.037 *	0.0064 J*	0.0041 J*
(PCB 107/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.082	0.0071 J	0.096	0.0076 J	0.0065 J
(PCB 108/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.39 #	0.066 #	0.39 #	0.064 J#	0.047 #
(PCB 11) 3,3'-Dichlorobiphenyl	ng/g	0.041 J	< 0.043	0.033 J	< 0.042	< 0.040
(PCB 110) 2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.26 *	0.039 *	0.26 *	0.039 J*	0.027 *
(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0089 J	< 0.021	< 0.020
(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 113) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	1.1 #	0.20 #	1.1 #	0.25 #	0.14 #
(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.020	< 0.022	0.021 J	< 0.021	< 0.020
(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	ng/g	0.26 #	0.039 #	0.26 #	0.039 J#	0.027 #
(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	ng/g	0.19 #	0.013 J#	0.17 J#	< 0.021	0.0086 J#
(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	ng/g	0.19 #	0.013 J#	0.17 J#	< 0.021	0.0086 J#
(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	1.0	0.062	1.0	0.062	0.049
(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	ng/g	0.39 #	0.066 #	0.39 #	0.064 J#	0.047 #
(PCB 12) 3,4-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 120) 2,3,4,5,5'-Pentachlorobiphenyl	ng/g	0.022	< 0.022	0.024 J	< 0.021	< 0.020
(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 122) 2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.011 J	< 0.022	0.0080 J	< 0.021	< 0.020
(PCB 123) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	0.023 J	< 0.022	0.024	< 0.021	< 0.020
(PCB 124) 2,3',4,4',5'-Pentachlorobiphenyl	ng/g	0.038 #	0.0047 J#	0.037 #	0.0064 J#	0.0041 J#
(PCB 125) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	0.39 #	0.066 #	0.39 #	0.064 J#	0.047 #
(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	ng/g	0.011 J	< 0.022	0.0075 J	< 0.021	< 0.020
(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	ng/g	0.14 *	0.012 J*	0.13 *	0.011 J*	0.0069 J*
(PCB 129) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	1.2 *	0.10 *	1.2 *	0.11 *	0.079 *
(PCB 130) 3,4'-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 130) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	0.079	0.0086 J	0.075	0.0083 J	0.0045 J
(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0029 J	< 0.021	< 0.020
(PCB 132) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	0.090	0.015 J	0.083	0.010 J	0.0095 J
(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	ng/g	0.035	< 0.022	0.039 J	0.0037 J	< 0.020
(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	ng/g	0.019 J*	< 0.022	0.018 J*	0.0038 J*	0.0044 J*
(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	ng/g	0.29 *	0.070 *	0.28 *	0.082 J*	0.047 J*
(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	ng/g	0.044	0.0082 J	0.040	0.0078 J	< 0.020
(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.053	0.0021 J	0.053	0.0035 J	< 0.020
(PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	1.2 #	0.10 #	1.2 #	0.11 #	0.079 #
(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	ng/g	0.010 J*	< 0.022	0.010 J*	< 0.021	< 0.020

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-4(O)	055364-T2-052013-FT-CRAWFISH-4(T)	055364-T2-052013-FT-CRAWFISH-5(O)	055364-T2-052013-FT-CRAWFISH-5(T)	055364-T2-052213-FT-CRAWFISH-6(O)	055364-T2-052213-FT-CRAWFISH-6(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 14) 3,5-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl	ng/g	0.010 J#	< 0.022	0.010 J#	< 0.021	< 0.020
(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.15	0.035 J	0.15	0.045	0.030
(PCB 142) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.019 J#	< 0.022	0.018 J#	0.0038 J#	0.0044 J#
(PCB 144) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.029	0.014 J	0.039	0.010 J	0.0093 J
(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.27	0.023 J	0.28	0.031	0.017 J
(PCB 147) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	0.46 *	0.094 *	0.46 *	0.097 *	0.056 *
(PCB 148) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 149) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.46 #	0.094 #	0.46 #	0.097 #	0.056 #
(PCB 150) 4,4'-Dichlorobiphenyl	ng/g	0.022 J	0.0054 J	0.026 J	0.015 J	< 0.020
(PCB 150) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 151) 2,2',3,5,5,6-Hexachlorobiphenyl	ng/g	0.29 #	0.070 #	0.28 #	0.082 J#	0.047 J#
(PCB 152) 2,2',3,5,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 153) 2,2',4,4,5,5'-Hexachlorobiphenyl	ng/g	1.2 *	0.066 *	1.3 *	0.072 *	0.051 *
(PCB 154) 2,2',4,4,5,6'-Hexachlorobiphenyl	ng/g	0.050	0.0077 J	0.045 J	< 0.021	0.0057 J
(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.021
(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	ng/g	0.12 *	0.0061 J*	0.12 *	0.0079 J*	0.0053 J*
(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	0.12 #	0.0061 J#	0.12 #	0.0079 J#	0.0053 J#
(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	ng/g	0.077	0.0058 J	0.075	0.0083 J	0.0039 J
(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0078 J	< 0.022	0.0077 J	< 0.021	< 0.020
(PCB 160) 2,2',3-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	1.2 #	0.10 #	1.2 #	0.11 #	0.079 #
(PCB 161) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl	ng/g	0.0075 J	< 0.022	0.0099 J	< 0.021	< 0.020
(PCB 163) 2,3,3',4',5,6-Hexachlorobiphenyl	ng/g	1.2 #	0.10 #	1.2 #	0.11 #	0.079 #
(PCB 164) 2,3,3',4',5,6-Hexachlorobiphenyl	ng/g	0.075 J	0.018 J	0.069	0.017 J	0.011 J
(PCB 165) 2,3,3',5,5,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0059 J	< 0.021	< 0.020
(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	ng/g	0.14 #	0.012 J#	0.13 #	0.011 J#	0.0069 J#
(PCB 167) 2,3,4,4',5,5'-Hexachlorobiphenyl	ng/g	0.057	0.0027 J	0.059	0.0028 J	0.0036 J
(PCB 168) 2,3',4,4',5,6-Hexachlorobiphenyl	ng/g	1.2 #	0.066 #	1.3 #	0.072 #	0.051 #
(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	0.0069 J	< 0.022	0.0040 J	< 0.021	< 0.020
(PCB 170) 2,2',4-Trichlorobiphenyl	ng/g	0.0075 J	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	ng/g	0.13	0.0070 J	0.14	0.0078 J	0.0056 J
(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	ng/g	0.029 J*	< 0.022	0.035 J*	< 0.021	0.0030 J*
(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	ng/g	0.042	< 0.022	0.050	< 0.021	0.0041 J
(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.029 J#	< 0.022	0.035 J#	< 0.021	0.0030 J#
(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.15	0.043	0.15	0.041	0.024
(PCB 175) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.0058 J	< 0.022	0.0078 J	< 0.021	< 0.020
(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	ng/g	0.015 J	< 0.022	0.018 J	0.0029 J	< 0.020
(PCB 177) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.12	0.012 J	0.14	0.013 J	0.014 J
(PCB 178) 2,2',3,3',5,5'-Heptachlorobiphenyl	ng/g	0.081	< 0.022	0.10	0.012 J	0.0052 J
(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	ng/g	0.052	0.010 J	0.047	0.010 J	0.0067 J
(PCB 180) 2,2',5-Trichlorobiphenyl	ng/g	0.031 J*	< 0.043	0.029 J*	< 0.042	< 0.040
(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.45 *	0.030 *	0.49 *	0.036 *	0.028 *
(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.0050 J	< 0.022	0.0082 J	< 0.021	< 0.020
(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 183) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	0.14 *	0.015 J*	0.16 *	0.018 J*	0.014 J*
(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	ng/g	0.14 #	0.015 J#	0.16 #	0.018 J#	0.014 J#
(PCB 186) 2,2',3,4,5,6,6'-Heptachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	ng/g	0.48	0.086	0.55	0.099	0.056 J
(PCB 188) 2,2',3,4',5,5',6-Heptachlorobiphenyl	ng/g	0.0046 J	< 0.022	0.0085 J	< 0.021	< 0.020
(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	ng/g	0.0093 J	< 0.022	0.0082 J	< 0.021	< 0.020
(PCB 190) 2,2',6-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.039	< 0.022	0.041	< 0.021	0.0022 J
(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.0085 J	< 0.022	0.014 J	< 0.021	0.012 J

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-4(O)	055364-T2-052013-FT-CRAWFISH-4(T)	055364-T2-052013-FT-CRAWFISH-5(O)	055364-T2-052013-FT-CRAWFISH-5(T)	055364-T2-052213-FT-CRAWFISH-6(O)	055364-T2-052213-FT-CRAWFISH-6(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0032 J	< 0.021	< 0.020
(PCB 193) 2,3,3',4',5,5',6-Heptachlorobiphenyl	ng/g	0.45 #	0.030 #	0.49 #	0.036 #	0.028 #
(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.064	< 0.022	0.081	0.0063 J	< 0.020
(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	ng/g	0.025 J	< 0.022	0.036	< 0.021	< 0.020
(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	ng/g	0.026 J	< 0.022	0.039	< 0.021	< 0.020
(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	ng/g	0.0049 J	< 0.022	0.0091 J	< 0.021	< 0.020
(PCB 198) 2,2',3,3',4,5,5'-Octachlorobiphenyl	ng/g	0.11 *	0.016 J*	0.14 *	0.017 J*	0.014 J*
(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.0050 J	< 0.022	0.0035 J	< 0.021	< 0.020
(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.11 #	0.016 J#	0.14 #	0.017 J#	0.014 J#
(PCB 2) 3-Chlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 20) 2,3,3'-Trichlorobiphenyl	ng/g	0.18 *	0.012 J*	0.18 *	0.0088 J*	0.0082 J*
(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.015 J	< 0.022	0.027	< 0.021	< 0.020
(PCB 202) 2,2',3,3',5,5',6-Octachlorobiphenyl	ng/g	0.043	0.0030 J	0.066	0.0046 J	0.0020 J
(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	ng/g	0.038	< 0.022	0.044 J	0.0034 J	0.0029 J
(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	ng/g	0.0071 J	< 0.022	0.0057 J	< 0.021	< 0.020
(PCB 206) 2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	ng/g	0.050 J	< 0.022	0.067 J	< 0.021	< 0.020
(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	ng/g	0.0088 J	< 0.022	0.012 J	< 0.021	< 0.020
(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	ng/g	0.018 J	< 0.022	0.052	< 0.021	< 0.020
(PCB 209) Decachlorobiphenyl	ng/g	0.031	< 0.022	0.076	< 0.021	< 0.020
(PCB 21) 2,3,4-Trichlorobiphenyl	ng/g	0.0085 J*	< 0.022	0.0096 J*	0.0025 J*	< 0.020
(PCB 22) 2,3,4'-Trichlorobiphenyl	ng/g	0.0057 J	< 0.022	0.0068 J	< 0.021	< 0.020
(PCB 23) 2,3,5-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 24) 2,3,6-Trichlorobiphenyl	ng/g	0.018 J	< 0.022	< 0.020	< 0.021	< 0.021
(PCB 25) 2,3',4-Trichlorobiphenyl	ng/g	0.015 J	< 0.022	0.014 J	< 0.021	< 0.020
(PCB 26) 2,3',5-Trichlorobiphenyl	ng/g	0.074 *	0.011 J*	0.065 *	0.012 J*	0.0097 J*
(PCB 27) 2,3',6-Trichlorobiphenyl	ng/g	0.0029 J	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 28) 2,4,4'-Trichlorobiphenyl	ng/g	0.18 #	0.012 J#	0.18 #	0.0088 J#	0.0082 J#
(PCB 29) 2,4,5-Trichlorobiphenyl	ng/g	0.074 #	0.011 J#	0.065 #	0.012 J#	0.0097 J#
(PCB 3) 4-Monochlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.021
(PCB 30) 2,4,6-Trichlorobiphenyl	ng/g	0.031 J#	< 0.043	0.029 J#	< 0.042	< 0.040
(PCB 31) 2,4',5-Trichlorobiphenyl	ng/g	0.094	0.0097 J	0.084	0.012 J	0.0065 J
(PCB 32) 2,4',6-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 33) 2,3,4-Trichlorobiphenyl	ng/g	0.0085 J#	0.0021 J#	0.0096 J#	0.0025 J#	< 0.020
(PCB 34) 2,3',5'-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 35) 3,3',4-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	0.0026 J	< 0.021	< 0.020
(PCB 36) 3,3',5-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.021
(PCB 37) 3,4,4'-Trichlorobiphenyl	ng/g	0.025 J	< 0.022	0.023 J	< 0.021	< 0.020
(PCB 38) 3,4,5-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 39) 3,4',5-Trichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 4) 2,2-Dichlorobiphenyl	ng/g	< 0.040	< 0.043	< 0.040	< 0.042	< 0.042
(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	ng/g	0.016 J*	0.0049 J*	0.025 *	0.0042 J*	< 0.020
(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	ng/g	0.016 J#	0.0049 J#	0.025 #	0.0042 J#	< 0.020
(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	ng/g	0.0079 J	< 0.022	0.011 J	< 0.021	< 0.020
(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0058 J*	< 0.021	< 0.020
(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	ng/g	0.25 *	0.031 *	0.23 *	0.033 *	0.028 *
(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0037 J*	< 0.021	< 0.020
(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.021
(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	ng/g	0.25 #	0.031 #	0.23 #	0.033 #	0.028 #
(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	ng/g	0.0089 J	< 0.022	0.0096 J	< 0.021	< 0.020
(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	ng/g	0.10 *	0.015 J*	0.096 *	0.016 J*	0.014 J*
(PCB 5) 2,3-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	ng/g	0.010 J*	< 0.022	0.0094 J*	< 0.021	< 0.020
(PCB 51) 2,2',4,6'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0037 J#	< 0.021	< 0.020
(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	ng/g	0.36	0.084	0.37	0.093	0.065
(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	ng/g	0.010 J#	< 0.022	0.0094 J#	< 0.021	< 0.020
(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.021

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-4(O)	055364-T2-052013-FT-CRAWFISH-4(T)	055364-T2-052013-FT-CRAWFISH-5(O)	055364-T2-052013-FT-CRAWFISH-5(T)	055364-T2-052213-FT-CRAWFISH-6(O)	055364-T2-052213-FT-CRAWFISH-6(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	ng/g	0.0070 J	< 0.022	0.0058 J	< 0.021	< 0.020
(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	ng/g	0.034	0.0034 J	0.036	0.0055 J	0.0038 J
(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	ng/g	0.0051 J	< 0.022	0.0035 J	< 0.021	< 0.020
(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	ng/g	0.0027 J	0.0012 J	0.0021 J	< 0.021	< 0.020
(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	ng/g	0.017 *#	0.0021 J*	0.0074 *#	0.0016 J*	< 0.020
(PCB 6) 2,3'-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	ng/g	0.025	0.0018 J	0.028	0.0019 J	0.0029 J
(PCB 61) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.32 *	0.042 J*	0.32 *	0.045 *	0.038 J*
(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	ng/g	0.017 J#	0.0021 J#	0.0074 J#	0.0016 J#	< 0.020
(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	ng/g	0.024	0.0022 J	0.025	< 0.021	< 0.020
(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	ng/g	0.0074 J	0.0018 J	0.010 J	< 0.021	< 0.020
(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	ng/g	0.25 #	0.031 #	0.23 #	0.033 #	0.028 #
(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	0.37	0.026	0.38	0.025	0.022 J
(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	ng/g	0.0059 J	< 0.022	0.0071 J	< 0.021	< 0.020
(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.024	< 0.022	0.022	0.0015 J	< 0.020
(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	ng/g	0.10 #	0.015 J#	0.096 #	0.016 J#	0.014 J#
(PCB 7) 2,4-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 70) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.32 #	0.042 J#	0.32 #	0.045 #	0.038 J#
(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	ng/g	0.016 J#	0.0049 J#	0.025 #	0.0042 J#	< 0.020
(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	ng/g	0.028	0.0031 J	0.029	0.0042 J	0.0035 J
(PCB 73) 2,3',5',6-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	0.0058 J#	< 0.021	< 0.020
(PCB 74) 2,4,4',5-Tetrachlorobiphenyl	ng/g	0.32 #	0.042 J#	0.32 #	0.045 #	0.038 J#
(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	ng/g	0.017 J#	0.0021 J#	0.0074 J#	0.0016 J#	< 0.020
(PCB 76) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.32 #	0.042 J#	0.32 #	0.045 #	0.038 J#
(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	ng/g	0.022	0.0017 J	0.021	0.0021 J	0.0029 J
(PCB 78) 3,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	ng/g	0.0061 J	< 0.022	0.0065 J	< 0.021	< 0.020
(PCB 8) 2,4'-Dichlorobiphenyl	ng/g	< 0.040	< 0.043	< 0.040	< 0.042	< 0.040
(PCB 80) 3,3',5,5'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	ng/g	0.0012 J	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	ng/g	0.014 J	< 0.022	0.015 J	< 0.021	< 0.020
(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	ng/g	0.95 *	0.063 *	0.96 *	0.064 *	0.051 *
(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	ng/g	0.025 J	< 0.022	0.030	< 0.021	< 0.020
(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.19 *	0.013 J*	0.17 J*	< 0.021	0.0086 J*
(PCB 86) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.39 *	0.066 *	0.39 *	0.064 J*	0.047 *
(PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl	ng/g	0.39 #	0.066 #	0.39 #	0.064 J#	0.047 #
(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.096 *	0.0072 J*	0.085 *	< 0.021	< 0.020
(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 9) 2,5-Dichlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 90) 2,2',3,4',5-Pentachlorobiphenyl	ng/g	1.1 *	0.20 *	1.1 *	0.25 *	0.14 *
(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	0.096 #	0.0072 J#	0.085 #	< 0.021	< 0.020
(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	ng/g	0.22	0.032 J	0.22	0.044	0.028
(PCB 93) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 94) 2,2',3,5,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	ng/g	0.31	0.10	0.29	0.099	0.063
(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 97) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.39 #	0.066 #	0.39 #	0.064 J#	0.047 #
(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.022	< 0.020	< 0.021	< 0.020
(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	ng/g	0.95 #	0.063 #	0.96 #	0.064 #	0.051 #

Notes:

- Not analyzed.

< Not present at or above the associated value.

J Estimated concentration.

* Associated concentration is the sum of co-eluting congeners (i.e. PCB 86).

Indicates a redundant concentration from the co-elution set and should not be included in data sum.

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-7(O)	055364-T2-052013-FT-CRAWFISH-7(T)	055364-T2-052013-FT-CRAWFISH-8(O)	055364-T2-052013-FT-CRAWFISH-8(T)	055364-T2-052013-FT-CRAWFISH-9(O)	055364-T2-052013-FT-CRAWFISH-9(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Semi-Volatile Organic Compounds (SVOCs)						
Hexachlorobenzene	µg/kg	-	-	-	-	-
Hexachlorobutadiene	µg/kg	-	-	-	-	-
Metals						
Arsenic	mg/kg	-	-	-	-	-
Lead	mg/kg	-	-	-	-	-
Mercury	mg/kg	-	-	-	-	-
General Chemistry						
Lipids	%	2.1	0.21	3.0	0.081 J	2.2
						0.069 J
Polychlorinated Biphenyls (PCBs)						
(PCB 1) 2-Chlorobiphenyl	ng/g	< 0.019	< 0.024	0.0013 J	< 0.022	0.0015 J
(PCB 10) 2,6-Dichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0022 J#	< 0.022	< 0.019
(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	ng/g	1.7 #	0.25 #	1.4 #	0.14 #	1.4 #
(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0059 J#	< 0.022	0.0057 J#
(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	ng/g	0.017 J	< 0.024	0.023 J	< 0.022	0.023
(PCB 104) 2,2',4,6,6'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	ng/g	0.54	0.026	0.31	0.014 J	0.29
(PCB 106) 2,3,3',4,5-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 107/108) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.060 *	0.0075 J*	0.048 *	0.0048 J*	0.049 *
(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.17	0.0090 J	0.13	0.0057 J	0.12
(PCB 108/109) 2,3,3',4,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.64 #	0.087 #	0.48 #	0.044 #	0.40 #
(PCB 11) 3,3'-Dichlorobiphenyl	ng/g	0.055 J	< 0.047	0.040 J	< 0.043	0.030 J
(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	ng/g	0.69 *	0.085 J*	0.33 *	0.028 *	0.30 *
(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0095 J	< 0.022	0.0092 J
(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 113) 2,3,3',5',6-Pentachlorobiphenyl	ng/g	1.7 #	0.25 #	1.4 #	0.14 #	1.4 #
(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.027 J	< 0.024	0.024 J	< 0.022	0.022
(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	ng/g	0.69 #	0.085 J#	0.33 #	0.028 #	0.30 #
(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	ng/g	0.27 #	0.017 J#	0.24 #	0.011 J#	0.20 #
(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	ng/g	0.27 #	0.017 J#	0.24 #	0.011 J#	0.20 #
(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	2.1	0.081	1.3	0.051	1.3
(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	ng/g	0.64 #	0.087 #	0.48 #	0.044 #	0.40 #
(PCB 12) 3,4-Dichlorobiphenyl	ng/g	0.039 J*	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 120) 2,3,4,5,5'-Pentachlorobiphenyl	ng/g	0.029	< 0.024	0.026	< 0.022	0.027
(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	ng/g	0.013 J	0.0027 J	0.013 J	< 0.022	0.011 J
(PCB 123) 2,3',3,4,4'-Pentachlorobiphenyl	ng/g	0.032 J	0.0011 J	0.025	0.0018 J	0.026
(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	ng/g	0.060 #	0.0075 J#	0.048 #	0.0048 J#	0.049 #
(PCB 125) 2,3',4',5',6-Pentachlorobiphenyl	ng/g	0.64 #	0.087 #	0.48 #	0.044 #	0.40 #
(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	ng/g	0.0075 J	< 0.024	0.0078 J	0.00067 J	0.014 J
(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0030 J	< 0.022	0.0024 J
(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	ng/g	0.24 *	0.016 J*	0.19 *	0.0097 J*	0.15 *
(PCB 129) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	2.3 *	0.14 *	1.6 *	0.087 *	1.4 *
(PCB 13) 3,4'-Dichlorobiphenyl	ng/g	0.039 J#	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	ng/g	0.12	0.0078 J	0.097	0.0067 J	0.070
(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	0.0069 J	< 0.024	0.0041 J	< 0.022	0.0045 J
(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	ng/g	0.13	0.016 J	0.11	0.010 J	0.082
(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	ng/g	0.047	0.0035 J	0.050	< 0.022	0.045
(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	ng/g	0.025 J*	< 0.024	0.025 *	0.0030 J*	0.022 J*
(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	ng/g	0.41 *	0.090 *	0.39 *	0.066 *	0.25 *
(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	ng/g	0.037	0.0078 J	0.045 J	0.0067 J	0.041
(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.082	0.0044 J	0.077	0.0031 J	0.059
(PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	2.3 #	0.14 #	1.6 #	0.087 #	1.4 #
(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	ng/g	0.013 J*	< 0.024	0.016 J*	< 0.022	0.014 J*

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-7(O)	055364-T2-052013-FT-CRAWFISH-7(T)	055364-T2-052013-FT-CRAWFISH-8(O)	055364-T2-052013-FT-CRAWFISH-8(T)	055364-T2-052013-FT-CRAWFISH-9(O)	055364-T2-052013-FT-CRAWFISH-9(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 14) 3,5-Dichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl	ng/g	0.013 J#	< 0.024	0.016 J#	< 0.022	0.014 J#
(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.25	0.053	0.19	0.035	0.18
(PCB 142) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.025 J#	< 0.024	0.025 #	0.0030 J#	0.022 J#
(PCB 144) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.047	0.0099 J	0.044	0.0080 J	0.048
(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.46	0.035	0.37	0.024	0.34
(PCB 147) 2,2',3,4',5,6-Hexachlorobiphenyl	ng/g	0.82 *	0.12 *	0.64 *	0.075 *	0.51 *
(PCB 148) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0085 J	< 0.022	0.0083 J
(PCB 149) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.82 #	0.12 #	0.64 #	0.075 #	0.51 #
(PCB 150) 4,4'-Dichlorobiphenyl	ng/g	0.049 J	< 0.024	0.032	0.0032 J	0.013 J
(PCB 150) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 151) 2,2',3,5,5,6-Hexachlorobiphenyl	ng/g	0.41 #	0.090 #	0.39 #	0.066 #	0.25 #
(PCB 152) 2,2',3,5,6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 153) 2,2',4,4',5,5'-Hexachlorobiphenyl	ng/g	2.3 *	0.094 *	1.7 *	0.059 *	1.5 *
(PCB 154) 2,2',4,4,5,6'-Hexachlorobiphenyl	ng/g	0.057 J	0.011 J	0.047	0.0012 J	0.079 J
(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	ng/g	0.21 *	0.0084 J*	0.17 *	0.0066 J*	0.15 *
(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	0.21 #	0.0084 J#	0.17 #	0.0066 J#	0.15 #
(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	ng/g	0.13 J	0.0079 J	0.10	0.0061 J	0.084
(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.011 J	< 0.024	0.0096 J	< 0.022	0.0063 J
(PCB 160) 2,2',3-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	2.3 #	0.14 #	1.6 #	0.087 #	1.4 #
(PCB 161) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl	ng/g	0.012 J	< 0.024	0.010 J	< 0.022	0.0099 J
(PCB 163) 2,3,3',4',5,6-Hexachlorobiphenyl	ng/g	2.3 #	0.14 #	1.6 #	0.087 #	1.4 #
(PCB 164) 2,3,3',4',5,6-Hexachlorobiphenyl	ng/g	0.11	0.019 J	0.089	0.015 J	0.072
(PCB 165) 2,3,3',5,5,6-Hexachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0048 J	< 0.022	0.0036 J
(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	ng/g	0.24 #	0.016 J#	0.19 #	0.0097 J#	0.15 #
(PCB 167) 2,3,4,4',5,5'-Hexachlorobiphenyl	ng/g	0.094	0.0040 J	0.083	0.0028 J	0.074
(PCB 168) 2,3',4,4',5,6-Hexachlorobiphenyl	ng/g	2.3 #	0.094 #	1.7 #	0.059 #	1.5 #
(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	0.0061 J	< 0.024	0.0043 J	< 0.022	0.0046 J
(PCB 170) 2,2',4-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	0.0033 J
(PCB 171) 2,2',3,3',4,4',5-Heptachlorobiphenyl	ng/g	0.22	0.0089 J	0.18	0.0074 J	0.15
(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	ng/g	0.066 *	< 0.024	0.046 *	0.0022 J*	0.039 *
(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	ng/g	0.069	0.0051 J	0.051 J	0.0043 J	0.053
(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.066 #	< 0.024	0.046 #	0.0022 J#	0.039 #
(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.26	0.040 J	0.18	0.028	0.14
(PCB 175) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.012 J	< 0.024	0.011 J	< 0.022	0.010 J
(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	ng/g	0.020	0.0039 J	0.017 J	0.0021 J	0.014 J
(PCB 177) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.22	0.016 J	0.16	0.011 J	0.13
(PCB 178) 2,2',3,3',5,5,6-Heptachlorobiphenyl	ng/g	0.16	0.015 J	0.11	0.0082 J	0.10
(PCB 179) 2,2',3,3',5,5,6-Heptachlorobiphenyl	ng/g	0.062	0.011 J	0.063	0.0065 J	0.053
(PCB 180) 2,2',5-Trichlorobiphenyl	ng/g	< 0.038	< 0.047	0.036 J*	0.0047 J*	0.039 J*
(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.85 *	0.037 *	0.63 *	0.025 *	0.59 *
(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.0086 J	< 0.024	0.0078 J	< 0.022	0.0049 J
(PCB 182) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	0.0043 J
(PCB 183) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	0.26 *	0.025 *	0.18 *	0.014 J*	0.17 *
(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 185) 2,2',3,4,5,5,6-Heptachlorobiphenyl	ng/g	0.26 #	0.025 #	0.18 #	0.014 J#	0.17 #
(PCB 186) 2,2',3,4,5,6,6'-Heptachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 187) 2,2',3,4',5,5,6-Heptachlorobiphenyl	ng/g	0.95	0.12	0.65	0.071	0.65
(PCB 188) 2,2',3,4',5,5,6-Heptachlorobiphenyl	ng/g	0.0087 J	< 0.024	0.0095 J	< 0.022	0.0078 J
(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	ng/g	0.010 J	< 0.024	0.013 J	< 0.022	0.012 J
(PCB 190) 2,2',6-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.056	< 0.024	0.058	0.0022 J	0.046
(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.011 J	0.0034 J	0.014 J	0.0015 J	0.011 J

TABLE 2

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DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-7(O)	055364-T2-052013-FT-CRAWFISH-7(T)	055364-T2-052013-FT-CRAWFISH-8(O)	055364-T2-052013-FT-CRAWFISH-8(T)	055364-T2-052013-FT-CRAWFISH-9(O)	055364-T2-052013-FT-CRAWFISH-9(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0038 J	< 0.022	0.0017 J
(PCB 193) 2,3,3',4',5,5',6-Heptachlorobiphenyl	ng/g	0.85 #	0.037 #	0.63 #	0.025 #	0.59 #
(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.088 J	< 0.024	0.093	< 0.022	0.077
(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	ng/g	0.043	< 0.024	0.037	< 0.022	0.031
(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	ng/g	0.037	< 0.024	0.061	< 0.022	0.047
(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	ng/g	0.0098 J	< 0.024	0.012 J	< 0.022	0.0055 J
(PCB 198) 2,2',3,3',4,5,5'-Octachlorobiphenyl	ng/g	0.15 *	0.012 J*	0.21 *	0.017 J*	0.16 *
(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.0071 J	< 0.024	0.0063 J	< 0.022	< 0.019
(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.15 #	0.012 J#	0.21 #	0.017 J#	0.16 #
(PCB 2) 3-Chlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 20) 2,3,3'-Trichlorobiphenyl	ng/g	0.29 *	0.015 J*	0.23 *	0.014 J*	0.21 *
(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.030	0.0029 J	0.034	< 0.022	0.0021 J
(PCB 202) 2,2',3,3',5,5',6-Octachlorobiphenyl	ng/g	0.081	0.0055 J	0.085	0.0021 J	0.063
(PCB 203) 2,2',3,4,4',5,5'-Octachlorobiphenyl	ng/g	0.050 J	0.0026 J	0.082	0.0035 J	0.063
(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	0.0081 J
(PCB 205) 2,3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.0070 J	< 0.024	0.0066 J	< 0.022	0.0045 J
(PCB 206) 2,2',3,3',4,4',5,5'-Nonachlorobiphenyl	ng/g	0.077	< 0.024	0.091	0.0047 J	0.071
(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	ng/g	0.022	< 0.024	0.016 J	< 0.022	0.012 J
(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	ng/g	0.060	< 0.024	0.061	0.0029 J	0.044
(PCB 209) Decachlorobiphenyl	ng/g	0.074	< 0.024	0.083	0.0050 J	0.063
(PCB 21) 2,3,4-Trichlorobiphenyl	ng/g	0.013 J*	0.0041 J*	0.011 J*	< 0.022	0.012 J*
(PCB 22) 2,3,4'-Trichlorobiphenyl	ng/g	0.0066 J	< 0.024	0.0089 J	0.0013 J	0.0058 J
(PCB 23) 2,3,5-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 24) 2,3,6-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 25) 2,3',4-Trichlorobiphenyl	ng/g	0.033	< 0.024	0.019 J	0.0018 J	0.015 J
(PCB 26) 2,3',5-Trichlorobiphenyl	ng/g	0.11 *	0.016 J*	0.087 *	0.012 J*	0.071 *
(PCB 27) 2,3',6-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 28) 2,4,4'-Trichlorobiphenyl	ng/g	0.29 #	0.015 J#	0.23 #	0.014 J#	0.21 #
(PCB 29) 2,4,5-Trichlorobiphenyl	ng/g	0.11 #	0.016 J#	0.087 #	0.012 J#	0.071 #
(PCB 3) 4-Monochlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 30) 2,4,6-Trichlorobiphenyl	ng/g	< 0.038	< 0.047	0.036 J#	0.0047 J#	0.039 J#
(PCB 31) 2,4',5-Trichlorobiphenyl	ng/g	0.10 J	0.014 J	0.10	0.010 J	0.085
(PCB 32) 2,4',6-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 33) 2,3,4-Trichlorobiphenyl	ng/g	0.013 J#	0.0041 J#	0.011 J#	< 0.022	0.012 J#
(PCB 34) 2,3',5-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	0.0022 J	< 0.022	0.0015 J
(PCB 35) 3,3',4-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	0.0026 J	< 0.022	0.0015 J
(PCB 36) 3,3',5-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	0.00081 J
(PCB 37) 3,4,4'-Trichlorobiphenyl	ng/g	0.032 J	< 0.024	0.032	< 0.022	0.026
(PCB 38) 3,4,5-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 39) 3,4',5-Trichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 4) 2,2-Dichlorobiphenyl	ng/g	< 0.038	< 0.047	< 0.039	0.0040 J	< 0.039
(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	ng/g	0.023 J*	0.0071 J*	0.026 *	0.0044 J*	0.025 *
(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	ng/g	0.023 J#	0.0071 J#	0.026 #	0.0044 J#	0.025 #
(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	ng/g	0.0061 J	< 0.024	0.011 J	< 0.022	0.010 J
(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0091 J*	< 0.022	0.0045 J*
(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	ng/g	0.36 *	0.037 *	0.33 *	0.029 *	0.25 *
(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0026 J*	< 0.022	0.0027 J*
(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	ng/g	0.36 #	0.037 #	0.33 #	0.029 #	0.25 #
(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	ng/g	0.0099 J	< 0.024	0.0096 J	0.0017 J	0.011 J
(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	ng/g	0.18 *	0.017 J*	0.14 *	0.015 J*	0.11 *
(PCB 5) 2,3-Dichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	ng/g	0.011 J*	< 0.024	0.011 J*	0.0020 J*	0.010 J*
(PCB 51) 2,2',4,6'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0026 J#	< 0.022	0.0027 J#
(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	ng/g	0.57	0.11	0.50	0.085	0.41
(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	ng/g	0.011 J#	< 0.024	0.011 J#	0.0020 J#	0.010 J#
(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-7(O)	055364-T2-052013-FT-CRAWFISH-7(T)	055364-T2-052013-FT-CRAWFISH-8(O)	055364-T2-052013-FT-CRAWFISH-8(T)	055364-T2-052013-FT-CRAWFISH-9(O)	055364-T2-052013-FT-CRAWFISH-9(T)
Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	ng/g	0.0026 J	< 0.024	0.0065 J	< 0.022	0.0059 J
(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	ng/g	0.068	0.010 J	0.040	0.0044 J	0.036
(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	ng/g	0.0040 J	< 0.024	0.0052 J	< 0.022	0.0047 J
(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	ng/g	0.0034 J	< 0.024	0.0026 J	0.00054 J	0.0044 J
(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	ng/g	0.019 *	< 0.024	0.024 *	0.0023 J*	0.017 J*
(PCB 6) 2,3'-Dichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	ng/g	0.039	< 0.024	0.031	0.0023 J	0.030
(PCB 61) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.55 *	0.062 *	0.38 *	0.035 J*	0.36 *
(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	ng/g	0.019 J#	< 0.024	0.024 #	0.0023 J#	0.017 J#
(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	ng/g	0.029 J	< 0.024	0.033	< 0.022	0.027
(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	ng/g	0.0081 J	< 0.024	0.012 J	< 0.022	0.011 J
(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	ng/g	0.36 #	0.037 #	0.33 #	0.029 #	0.25 #
(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	0.68	0.034	0.47	0.024	0.44
(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	ng/g	0.0060 J	< 0.024	0.0068 J	< 0.022	0.0057 J
(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.030	0.0034 J	0.029	< 0.022	0.025
(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	ng/g	0.18 #	0.017 J#	0.14 #	0.015 J#	0.11 #
(PCB 7) 2,4-Dichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 70) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.55 #	0.062 #	0.38 #	0.035 J#	0.36 #
(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	ng/g	0.023 J#	0.0071 J#	0.026 #	0.0044 J#	0.025 #
(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	ng/g	0.031	0.0046 J	0.039	0.0034 J	0.030
(PCB 73) 2,3',5',6-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0091 J#	< 0.022	0.0045 J#
(PCB 74) 2,4,4',5-Tetrachlorobiphenyl	ng/g	0.55 #	0.062 #	0.38 #	0.035 J#	0.36 #
(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	ng/g	0.019 J#	< 0.024	0.024 #	0.0023 J#	0.017 J#
(PCB 76) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.55 #	0.062 #	0.38 #	0.035 J#	0.36 #
(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	ng/g	0.032	0.0046 J	0.025	0.0015 J	0.021
(PCB 78) 3,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	ng/g	0.0059 J	< 0.024	0.0074 J	< 0.022	0.0068 J
(PCB 8) 2,4'-Dichlorobiphenyl	ng/g	< 0.038	< 0.047	< 0.039	< 0.043	< 0.039
(PCB 80) 3,3',5,5'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0015 J	< 0.022	0.0016 J
(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	ng/g	0.037	< 0.024	0.014 J	< 0.022	0.011 J
(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	ng/g	1.6 *	0.082 *	1.3 *	0.046 *	1.1 *
(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	ng/g	0.034	< 0.024	0.034	0.0037 J	0.031
(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.27 *	0.017 J*	0.24 *	0.011 J*	0.20 *
(PCB 86) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.64 *	0.087 *	0.48 *	0.044 *	0.40 *
(PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl	ng/g	0.64 #	0.087 #	0.48 #	0.044 #	0.40 #
(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.11 *	0.0078 J*	0.11 *	0.0065 J*	0.091 *
(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 9) 2,5-Dichlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 90) 2,2',3,4',5-Pentachlorobiphenyl	ng/g	1.7 *	0.25 *	1.4 *	0.14 *	1.4 *
(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	0.11 #	0.0078 J#	0.11 #	0.0065 J#	0.091 #
(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	ng/g	0.27	0.051	0.30	0.027 J	0.21
(PCB 93) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0022 J*	< 0.022	< 0.019
(PCB 94) 2,2',3,5,6'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	ng/g	0.33	0.10	0.33	0.070	0.27
(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	< 0.019	< 0.022	< 0.019
(PCB 97) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.64 #	0.087 #	0.48 #	0.044 #	0.40 #
(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.024	0.0059 J*	< 0.022	0.0057 J*
(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	ng/g	1.6 #	0.082 #	1.3 #	0.046 #	1.1 #

Notes:

- Not analyzed.

< Not present at or above the associated value.

J Estimated concentration.

* Associated concentration is the sum of co-eluting congeners (i.e. PCB 86).

Indicates a redundant concentration from the co-elution set and should not be included in data sum.

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-10(O)	055364-T2-052013-FT-CRAWFISH-10(T)	055364-T2-052213-FT-CRAWFISH-11(O)	055364-T2-052213-FT-CRAWFISH-11(T)	055364-T2-052213-FT-CRAWFISH-12(O)	055364-T2-052213-FT-CRAWFISH-12(T)	
Sample Date:	5/20/2013	5/20/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters							
<i>Semi-Volatile Organic Compounds (SVOCs)</i>							
Hexachlorobenzene	µg/kg	-	-	-	-	-	-
Hexachlorobutadiene	µg/kg	-	-	-	-	-	-
Metals							
Arsenic	mg/kg	-	-	-	-	-	-
Lead	mg/kg	-	-	-	-	-	-
Mercury	mg/kg	-	-	-	-	-	-
General Chemistry							
Lipids	%	2.0	0.10	2.1	0.28	2.2	0.17
Polychlorinated Biphenyls (PCBs)							
(PCB 1) 2-Chlorobiphenyl	ng/g	0.0031 J	< 0.022	0.0069 J	0.0025 J	0.012 J	0.0037 J
(PCB 10) 2,6-Dichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011	< 0.0099
(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	ng/g	0.0020 J#	0.00099 J#	< 0.010	< 0.010	< 0.011	< 0.0099
(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	ng/g	1.2 #	0.16 #	0.58 #	0.11 #	0.78 #	0.11 #
(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	ng/g	0.0066 J#	< 0.022	< 0.010	< 0.010	0.0029 J#	< 0.0099
(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	ng/g	0.018 J	< 0.022	< 0.010	< 0.010	0.011 J	0.0019 J
(PCB 104) 2,2',4,6,6'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011	< 0.0099
(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	ng/g	0.31	0.017 J	0.11	0.0093 J	0.17	0.012
(PCB 106) 2,3,3,4,5-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011	< 0.0099
(PCB 107/108) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.041 *	0.0060 J*	0.013 *	0.0030 J*	0.023 *	0.0051 *
(PCB 107/109) 2,3,3',4,6-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.10	0.0062 J	0.038	0.0038 J	0.073	0.0055 J
(PCB 108/109) 2,3,3',4,5,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.44 #	0.057 #	0.19 #	0.041 #	0.29 #	0.040 #
(PCB 11) 3,3'-Dichlorobiphenyl	ng/g	0.045 J	< 0.044	0.027 J	< 0.020	0.031 J	< 0.020
(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	ng/g	0.27 *	0.036 *	0.14 *	0.022 *	0.21 *	0.022 *
(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	ng/g	0.0098 J	< 0.022	< 0.010	< 0.010	0.0061 J	< 0.0099
(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011	< 0.0099
(PCB 113) 2,3,3',5',6-Pentachlorobiphenyl	ng/g	1.2 #	0.16 #	0.58 #	0.11 #	0.78 #	0.11 #
(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.024	< 0.022	0.0072 J	< 0.010	0.014	0.0012 J
(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	ng/g	0.27 #	0.036 #	0.14 #	0.022 #	0.21 #	0.022 #
(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	ng/g	0.20 #	0.012 J#	0.082 #	0.0036 J#	0.14 #	0.0066 J#
(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	ng/g	0.20 #	0.012 J#	0.082 #	0.0036 J#	0.14 #	0.0066 J#
(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	1.2	0.054	0.48	0.035	0.71	0.044
(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	ng/g	0.44 #	0.057 #	0.19 #	0.041 #	0.29 #	0.040 #
(PCB 12) 3,4-Dichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	0.0020 J*	< 0.011	0.0020 J*
(PCB 120) 2,3,4,5,5'-Pentachlorobiphenyl	ng/g	0.028	< 0.022	0.011	< 0.010	0.018	< 0.0099
(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011	< 0.0099
(PCB 122) 2,3,3',4',5-Pentachlorobiphenyl	ng/g	0.012 J	< 0.022	0.0033 J	< 0.010	0.0078 J	< 0.0099
(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.023	0.0013 J	0.0084 J	0.0011 J	0.015	0.0012 J
(PCB 124) 2,3',4,5,5'-Pentachlorobiphenyl	ng/g	0.041 #	0.0060 J#	0.013 #	0.0030 J#	0.023 #	0.0051 J#
(PCB 125) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	0.44 #	0.057 #	0.19 #	0.041 #	0.29 #	0.040 #
(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	ng/g	0.0062 J	< 0.022	0.0029 J	< 0.010	0.0053 J	< 0.0099
(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	0.0011 J	< 0.0099
(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	ng/g	0.14 *	0.0088 J*	0.059 *	0.0065 J*	0.10 *	0.0095 J*
(PCB 129) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	1.2 *	0.081 *	0.69 *	0.081 *	1.0 *	0.091 *
(PCB 13) 3,4-Dichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	0.0020 J#	< 0.011	0.0020 J#
(PCB 130) 2,2',3,3',4,5-Hexachlorobiphenyl	ng/g	0.077	0.0065 J	0.038	0.0061 J	0.067	0.0089 J
(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	0.0042 J	< 0.0099
(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	ng/g	0.094	0.013 J	0.050	0.013 J	0.081	0.015
(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	ng/g	0.038	0.0026 J	0.019	0.0019 J	0.031	0.0024 J
(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	ng/g	0.021 J*	0.0042 J*	0.0091 J*	0.0023 J*	0.023 *	0.0040 J*
(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	ng/g	0.31 *	0.053 *	0.14 *	0.033 J*	0.21 *	0.039 *
(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	ng/g	0.050	0.0065 J	0.019	0.0052 J	0.032	0.0052 J
(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.055	0.0037 J	0.023	< 0.010	0.043	0.0032 J
(PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	1.2 #	0.081 #	0.69 #	0.081 #	1.0 #	0.091 #
(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	ng/g	0.013 J*	< 0.022	0.0061 J*	< 0.010	0.012 *	< 0.0099

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-10(O)	055364-T2-052013-FT-CRAWFISH-10(T)	055364-T2-052213-FT-CRAWFISH-11(O)	055364-T2-052213-FT-CRAWFISH-11(T)	055364-T2-052213-FT-CRAWFISH-12(O)	055364-T2-052213-FT-CRAWFISH-12(T)
Sample Date:	5/20/2013	5/20/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 14) 3,5-Dichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl	ng/g	0.013 J#	< 0.022	0.0061 J#	< 0.010	0.012 #
(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.13	0.027	0.076	0.032	0.12
(PCB 142) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.021 J#	0.0042 J#	0.0091 J#	0.0023 J#	0.023 #
(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	ng/g	0.035	0.0059 J	0.015	0.0038 J	0.023
(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.28	0.024	0.16	0.020 J	0.22
(PCB 147) 2,2',3,4',5,6-Hexachlorobiphenyl	ng/g	0.48 *	0.071 *	0.29 *	0.074 *	0.42 *
(PCB 148) 2,2',3,4',5,6'-Hexachlorobiphenyl	ng/g	0.0097 J	< 0.022	< 0.010	< 0.010	0.0052 J
(PCB 149) 2,2',3,4',5',6-Hexachlorobiphenyl	ng/g	0.48 #	0.071 #	0.29 #	0.074 #	0.42 #
(PCB 15) 4,4'-Dichlorobiphenyl	ng/g	0.027 J	0.0046 J	0.011 J	0.0030 J	0.014 J
(PCB 150) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 151) 2,2',3,5,5,6-Hexachlorobiphenyl	ng/g	0.31 #	0.053 #	0.14 #	0.033 J#	0.21 #
(PCB 152) 2,2',3,5,6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 153) 2,2',4,4,5,5'-Hexachlorobiphenyl	ng/g	1.3 *	0.055 *	0.77 *	0.055 *	1.0 *
(PCB 154) 2,2',4,4,5,6'-Hexachlorobiphenyl	ng/g	0.068	0.0021 J	0.013 J	0.0022 J	0.028 J
(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	ng/g	0.13 *	0.0063 J*	0.053 *	0.0052 J*	0.086 *
(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	0.13 #	0.0063 J#	0.053 #	0.0052 J#	0.086 #
(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	ng/g	0.070	0.0051 J	0.037	0.0050 J	0.059
(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0058 J	< 0.022	< 0.010	< 0.010	0.0049 J
(PCB 16) 2,2',3-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	1.2 #	0.081 #	0.69 #	0.081 #	1.0 #
(PCB 161) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0080 J	< 0.022	0.0027 J	< 0.010	0.0066 J
(PCB 163) 2,3,3',4',5,6-Hexachlorobiphenyl	ng/g	1.2 #	0.081 #	0.69 #	0.081 #	1.0 #
(PCB 164) 2,3,3',4',5,6'-Hexachlorobiphenyl	ng/g	0.059	0.011 J	0.029	0.014	0.052
(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	ng/g	0.0043 J	< 0.022	< 0.010	< 0.010	0.0030 J
(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	ng/g	0.14 #	0.0088 J#	0.059 #	0.0065 J#	0.10 #
(PCB 167) 2,3,4,4',5,5'-Hexachlorobiphenyl	ng/g	0.063	0.0029 J	0.025	0.0019 J	0.039
(PCB 168) 2,3',4,4',5,6-Hexachlorobiphenyl	ng/g	1.3 #	0.055 #	0.77 #	0.055 #	1.0 #
(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	0.0038 J	< 0.022	< 0.010	< 0.010	0.0034 J
(PCB 17) 2,2',4-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.009
(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	ng/g	0.14	0.0079 J	0.063	0.0047 J	0.099
(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	ng/g	0.038 *	< 0.022	0.016 *	< 0.010	0.027 *
(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	ng/g	0.047	0.0031 J	0.017	< 0.010	0.029
(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.038 #	< 0.022	0.016 #	< 0.010	0.027 #
(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.14	0.024	0.055	0.021 J	0.11
(PCB 175) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.0090 J	< 0.022	0.0028 J	< 0.010	0.0069 J
(PCB 176) 2,2',3,3',4,6,6-Heptachlorobiphenyl	ng/g	0.014 J	0.0016 J	0.0053 J	0.0021 J	0.010 J
(PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl	ng/g	0.14	0.0078 J	0.055	0.011	0.11
(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	ng/g	0.092	0.0077 J	0.041	0.0080 J	0.071
(PCB 179) 2,2',3,3',5,6,6-Heptachlorobiphenyl	ng/g	0.061	0.0091 J	0.027	0.0070 J	0.045
(PCB 18) 2,2',5-Trichlorobiphenyl	ng/g	0.028 J*	0.0051 J*	0.018 J*	0.0069 J*	0.028 J*
(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.50 *	0.024 *	0.21 *	0.018 *	0.29 *
(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.0036 J	< 0.022	< 0.010	< 0.010	0.0039 J
(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	< 0.019	< 0.022	0.0021 J	< 0.010	0.0018 J
(PCB 183) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.15 *	0.013 J*	0.060 *	0.012 *	0.11 *
(PCB 184) 2,2',3,4,4',6,6-Heptachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	ng/g	0.15 #	0.013 J#	0.060 #	0.012 #	0.11 #
(PCB 186) 2,2',3,4,5,6,6-Heptachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	ng/g	0.52	0.053	0.23	0.058	0.39
(PCB 188) 2,2',3,4',5,6,6-Heptachlorobiphenyl	ng/g	0.0095 J	< 0.022	0.0033 J	< 0.010	0.0050 J
(PCB 189) 2,3,3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.0089 J	< 0.022	0.0029 J	< 0.010	0.0047 J
(PCB 19) 2,2',6-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.046	0.0025 J	0.013 J	< 0.010	0.019 J
(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	ng/g	0.0095 J	< 0.022	0.0025 J	< 0.010	0.0073 J

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-10(O)	055364-T2-052013-FT-CRAWFISH-10(T)	055364-T2-052213-FT-CRAWFISH-11(O)	055364-T2-052213-FT-CRAWFISH-11(T)	055364-T2-052213-FT-CRAWFISH-12(O)	055364-T2-052213-FT-CRAWFISH-12(T)
Sample Date:	5/20/2013	5/20/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 193) 2,3,3',4',5,5',6-Heptachlorobiphenyl	ng/g	0.50 #	0.024 #	0.21 #	0.018 #	0.29 #
(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.076	< 0.022	0.028	< 0.010	0.050
(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	ng/g	0.033	< 0.022	0.0072 J	< 0.010	0.019 J
(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	ng/g	0.056	< 0.022	0.010 J	< 0.010	0.013
(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	ng/g	0.013 J	< 0.022	0.0031 J	< 0.010	0.0044 J
(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	ng/g	0.17 *	0.013 J*	0.050 *	0.0057 J*	0.048 *
(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.0065 J	< 0.022	0.0021 J	< 0.010	< 0.011
(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.17 #	0.013 J#	0.050 #	0.0057 J#	0.048 #
(PCB 2) 3-Chlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 20) 2,3,3'-Trichlorobiphenyl	ng/g	0.20 *	0.012 J#	0.090 *	0.010 J*	0.16 *
(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.034	0.0019 J	0.0053 J	0.0011 J	0.0011 J
(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	ng/g	0.075	0.0043 J	0.023	0.0030 J	0.037
(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	ng/g	0.069	0.0036 J	0.019	< 0.010	0.019
(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.0099
(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	ng/g	0.0068 J	< 0.022	< 0.010	< 0.010	0.0024 J
(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	ng/g	0.094	0.0058 J	0.019 J	< 0.010	0.035 J
(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	ng/g	0.018 J	< 0.022	0.0054 J	< 0.010	0.0062 J
(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	ng/g	0.055	0.0038 J	0.012 J	< 0.010	0.022
(PCB 209) Decachlorobiphenyl	ng/g	0.086	0.0060 J	0.018	< 0.010	0.026
(PCB 21) 2,3,4-Trichlorobiphenyl	ng/g	0.012 J*	0.0032 J*	0.0044 J*	0.0013 J*	0.0073 J*
(PCB 22) 2,3,4'-Trichlorobiphenyl	ng/g	0.0094 J	< 0.022	0.0028 J	0.0018 J	0.0070 J
(PCB 23) 2,3,5-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 24) 2,3,6-Trichlorobiphenyl	ng/g	0.014 J	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 25) 2,3',4-Trichlorobiphenyl	ng/g	0.012 J	0.0010 J	0.0058 J	0.0014 J	0.011
(PCB 26) 2,3',5-Trichlorobiphenyl	ng/g	0.070 *	0.011 J*	0.029 *	0.0083 J*	0.053 *
(PCB 27) 2,3',6-Trichlorobiphenyl	ng/g	0.0059 J	< 0.022	< 0.010	< 0.010	0.0038 J
(PCB 28) 2,4,4'-Trichlorobiphenyl	ng/g	0.20 #	0.012 J#	0.090 #	0.010 J#	0.16 #
(PCB 29) 2,4,5-Trichlorobiphenyl	ng/g	0.070 #	0.011 J#	0.029 #	0.0083 J#	0.053 #
(PCB 3) 4-Monochlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	0.0060 J
(PCB 30) 2,4,6-Trichlorobiphenyl	ng/g	0.028 J#	0.0051 J#	0.018 J#	0.0069 J#	0.028 J#
(PCB 31) 2,4',5-Trichlorobiphenyl	ng/g	0.097	0.010 J	0.039 J	0.0078 J	0.081 J
(PCB 32) 2,4',6-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	0.0045 J
(PCB 33) 2,3,4-Trichlorobiphenyl	ng/g	0.012 J#	0.0032 J#	0.0044 J#	0.0013 J#	0.0073 J#
(PCB 34) 2,3',5'-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 35) 3,3',4-Trichlorobiphenyl	ng/g	0.0029 J	< 0.022	< 0.010	< 0.010	0.0017 J
(PCB 36) 3,3',5-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 37) 3,4,4'-Trichlorobiphenyl	ng/g	0.032 J	0.0027 J	0.013 J	0.0025 J	0.022 J
(PCB 38) 3,4,5-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 39) 3,4',5-Trichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	0.0018 J
(PCB 4) 2,2-Dichlorobiphenyl	ng/g	< 0.038	< 0.044	< 0.021	< 0.020	< 0.021
(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	ng/g	0.019 *	0.0042 J*	0.0076 J*	0.0031 J*	0.015 *
(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	ng/g	0.019 #	0.0042 J#	0.0076 J#	0.0031 J#	0.015 #
(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	ng/g	0.010 J	0.0015 J	0.0032 J	< 0.010	0.0071 J
(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	0.0026 J*	< 0.010	0.0025 J*
(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	ng/g	0.23 *	0.031 *	0.11 *	0.029 *	0.16 *
(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	ng/g	0.0035 J*	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	ng/g	0.23 #	0.031 #	0.11 #	0.029 #	0.16 #
(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	ng/g	0.0099 J	0.0020 J	0.0044 J	0.0015 J	0.0058 J
(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	ng/g	0.098 *	0.014 J*	0.043 *	0.012 *	0.062 *
(PCB 5) 2,3-Dichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	ng/g	0.012 J*	0.0023 J*	0.0037 J*	0.0020 J*	0.0092 J*
(PCB 51) 2,2',4,6'-Tetrachlorobiphenyl	ng/g	0.0035 J#	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	ng/g	0.38	0.079	0.17	0.072	0.24
(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	ng/g	0.012 J#	0.0023 J#	0.0037 J#	0.0020 J#	0.0092 J#
(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011

TABLE 2

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TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052013-FT-CRAWFISH-10(O)	055364-T2-052013-FT-CRAWFISH-10(T)	055364-T2-052213-FT-CRAWFISH-11(O)	055364-T2-052213-FT-CRAWFISH-11(T)	055364-T2-052213-FT-CRAWFISH-12(O)	055364-T2-052213-FT-CRAWFISH-12(T)
Sample Date:	5/20/2013					
Parameters	Units					
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	ng/g	0.0046 J	< 0.022	0.0030 J	< 0.010	0.0028 J
(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	ng/g	0.036	0.0047 J	0.014 J	0.0032 J	0.025
(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	ng/g	0.0053 J	< 0.022	< 0.010	< 0.010	0.0029 J
(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	ng/g	0.0036 J	0.0017 J	0.0022 J	< 0.010	0.00079 J
(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	ng/g	0.016 *	< 0.022	0.0057 J*	0.0016 J*	0.011 *
(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 61) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.029	0.0022 J	0.013 J	0.0013 J	0.021
(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	ng/g	0.37 *	0.043 J*	0.16 *	0.037 *	0.23 *
(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	ng/g	0.016 J#	< 0.022	0.0057 J#	0.0016 J#	0.011 #
(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	ng/g	0.026	< 0.022	0.011	< 0.010	0.016
(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	ng/g	0.011 J	< 0.022	0.0028 J	< 0.010	0.0072 J
(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	0.23 #	0.031 #	0.11 #	0.029 #	0.16 #
(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	ng/g	0.44	0.025	0.19	0.021 J	0.28
(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.0065 J	< 0.022	< 0.010	< 0.010	0.0035 J
(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	ng/g	0.021 J	0.0016 J	0.0072 J	0.0014 J	0.013
(PCB 70) 2,4-Dichlorobiphenyl	ng/g	0.098 #	0.014 J#	0.043 #	0.012 #	0.062 #
(PCB 71) 2,3',4,6-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 72) 2,3',5,5-Tetrachlorobiphenyl	ng/g	0.37 #	0.043 J#	0.16 #	0.037 #	0.23 #
(PCB 73) 2,3',5,6-Tetrachlorobiphenyl	ng/g	0.019 #	0.0042 J#	0.0076 J#	0.0031 J#	0.015 #
(PCB 74) 2,4,4',5-Tetrachlorobiphenyl	ng/g	0.028	0.0027 J	0.0081 J	0.0020 J	0.013
(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	0.0026 J#	< 0.010	0.0025 J#
(PCB 76) 2,3',4,5-Tetrachlorobiphenyl	ng/g	0.37 #	0.043 J#	0.16 #	0.037 #	0.23 #
(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	ng/g	0.025	0.0012 J	0.0095 J	0.0012 J	0.020
(PCB 78) 3,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	ng/g	0.0079 J	< 0.022	0.0022 J	< 0.010	0.0039 J
(PCB 80) 2,4'-Dichlorobiphenyl	ng/g	< 0.038	< 0.044	< 0.021	< 0.020	< 0.021
(PCB 81) 3,3',5,5-Tetrachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	ng/g	0.0011 J	< 0.022	< 0.010	< 0.010	0.0013 J
(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	ng/g	0.024	< 0.022	0.0086 J	< 0.010	0.011 J
(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	ng/g	1.1 *	0.053 *	0.50 *	0.034 *	0.71 *
(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.034	< 0.022	0.017	0.0049 J	0.023 J
(PCB 86) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.20 *	0.012 J*	0.082 *	0.0036 J*	0.14 *
(PCB 87) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.44 *	0.057 *	0.19 *	0.041 *	0.29 *
(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.44 #	0.057 #	0.19 #	0.041 #	0.29 #
(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	ng/g	0.092 *	0.0059 J*	0.033 J*	0.0056 J*	0.064 *
(PCB 90) 2,5-Dichlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 91) 2,2',3,4',5-Pentachlorobiphenyl	ng/g	1.2 *	0.16 *	0.58 *	0.11 *	0.78 *
(PCB 92) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	0.092 #	0.0059 J#	0.033 J#	0.0056 J*	0.064 #
(PCB 93) 2,2',3,5,5-Pentachlorobiphenyl	ng/g	0.24	0.029	0.12	0.025	0.17
(PCB 94) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	0.0020 J*	0.00099 J*	< 0.010	< 0.010	< 0.011
(PCB 95) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	ng/g	0.33	0.082	0.14	0.064	0.22
(PCB 97) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	< 0.019	< 0.022	< 0.010	< 0.010	< 0.011
(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	0.44 #	0.057 #	0.19 #	0.041 #	0.29 #
(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	ng/g	0.0066 J*	< 0.022	< 0.010	0.0029 J*	< 0.0099
	ng/g	1.1 #	0.053 #	0.50 #	0.034 #	0.71 #

Notes:

- Not analyzed.
< Not present at or above the associated value.

J Estimated concentration.

* Associated concentration is the sum of co-eluting congeners (i.e. PCB 86).

Indicates a redundant concentration from the co-elution set and should not be included in data sum

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052213-FT-CRAWFISH-13(O)	055364-T2-052213-FT-CRAWFISH-13(T)	055364-T2-052213-FT-CRAWFISH-14(O)	055364-T2-052213-FT-CRAWFISH-14(T)	055364-T2-052213-FT-CRAWFISH-15(O)	055364-T2-052213-FT-CRAWFISH-15(T)	
Sample Date:	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters							
<i>Semi-Volatile Organic Compounds (SVOCs)</i>							
Hexachlorobenzene	µg/kg	-	-	-	-	-	-
Hexachlorobutadiene	µg/kg	-	-	-	-	-	-
Metals							
Arsenic	mg/kg	-	-	-	-	-	-
Lead	mg/kg	-	-	-	-	-	-
Mercury	mg/kg	-	-	-	-	-	-
General Chemistry							
Lipids	%	1.8	0.12	1.3	0.13	1.7	0.094 J
Polychlorinated Biphenyls (PCBs)							
(PCB 1) 2-Chlorobiphenyl	ng/g	0.014 J	0.0044 J	0.0057 J	< 0.020	0.0063 J	< 0.020
(PCB 10) 2,6-Dichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0035 J#	< 0.020	< 0.020	< 0.020
(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	ng/g	0.72 #	0.14 #	0.63 #	0.11 #	0.82 #	0.14 #
(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0061 J#	< 0.020	< 0.020	< 0.020
(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	ng/g	0.011 J	< 0.021	0.011 J	< 0.020	0.011 J	< 0.020
(PCB 104) 2,2',4,6,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	ng/g	0.18	0.014 J	0.14	0.0081 J	0.18	0.014 J
(PCB 106) 2,3,3,4,5-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 107/108) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.023 *	0.0058 J*	0.020 J*	0.0022 J*	0.029 *	0.0033 *
(PCB 107/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.067	0.0057 J	0.051	0.0041 J	0.069	0.0051 J
(PCB 108/109) 2,3,3',4,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.26 #	0.054 #	0.23 #	0.039 J#	0.31 #	0.037 #
(PCB 11) 3,3'-Dichlorobiphenyl	ng/g	0.036 J	< 0.043	0.032 J	< 0.040	0.056 J	< 0.040
(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	ng/g	0.17 *	0.031 J*	0.18 *	0.028 *	0.24 *	0.027 J*
(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0045 J	< 0.020	0.0069 J	< 0.020
(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 113) 2,3,3',5',6-Pentachlorobiphenyl	ng/g	0.72 #	0.14 #	0.63 #	0.11 J#	0.82 #	0.14 #
(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.013 J	< 0.021	0.010 J	< 0.020	0.013 J	< 0.020
(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	ng/g	0.17 #	0.031 #	0.18 #	0.028 #	0.24 #	0.027 J#
(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	ng/g	0.11 #	0.0040 J#	0.11 #	0.0080 J#	0.16 J#	0.0097 J#
(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	ng/g	0.11 #	0.0040 J#	0.11 #	0.0080 J#	0.16 J#	0.0097 J#
(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	0.68	0.053	0.58	0.035	0.76	0.047
(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	ng/g	0.26 #	0.054 #	0.23 #	0.039 J#	0.31 #	0.037 #
(PCB 12) 3,4-Dichlorobiphenyl	ng/g	0.011 J*	< 0.021	0.0052 J*	0.0069 J*	< 0.020	< 0.020
(PCB 120) 2,3,4,5,5'-Pentachlorobiphenyl	ng/g	0.012 J	< 0.021	0.013 J	< 0.020	0.011 J	< 0.020
(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	ng/g	0.0088 J	< 0.021	0.0067 J	< 0.020	< 0.020	< 0.020
(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.014 J	< 0.021	0.012 J	0.0014 J	0.017 J	< 0.020
(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	ng/g	0.023 #	0.0058 J#	0.020 J#	0.0022 J#	0.029 #	0.0033 J#
(PCB 125) 2,3',4',5',6-Pentachlorobiphenyl	ng/g	0.26 #	0.054 #	0.23 #	0.039 J#	0.31 #	0.037 #
(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	ng/g	0.0021 J	< 0.021	0.0033 J	< 0.020	0.0036 J	0.0012 J
(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	ng/g	0.085 *	0.0054 J*	0.093 *	0.0077 J*	0.13 *	0.0098 J*
(PCB 129) 2,2',3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.77 *	0.077 *	0.78 *	0.066 *	0.98 *	0.089 *
(PCB 13) 3,4'-Dichlorobiphenyl	ng/g	0.011 J#	< 0.021	0.0052 J#	0.0069 J#	< 0.020	< 0.020
(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	ng/g	0.048	0.0085 J	0.046 J	0.0046 J	0.051	0.0047 J
(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020	< 0.020
(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	ng/g	0.051	0.012 J	0.069	0.0087 J	0.054	0.0065 J
(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	ng/g	0.020 J	< 0.021	0.026	< 0.020	0.031	< 0.020
(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	ng/g	0.011 J*	< 0.021	0.015 J*	0.0041 J*	0.0072 J*	< 0.020
(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	ng/g	0.17 *	0.051 *	0.18 *	0.042 *	0.17 *	0.054 *
(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	ng/g	0.024 J	0.0083 J	0.027	0.0053 J	0.025	< 0.020
(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.032	0.0024 J	0.032	< 0.020	0.054	< 0.020
(PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.77 #	0.077 #	0.78 #	0.066 #	0.98 #	0.089 #
(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	ng/g	0.0084 J*	< 0.021	0.010 J*	< 0.020	0.010 J*	< 0.020

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052213-FT-CRAWFISH-13(O)	055364-T2-052213-FT-CRAWFISH-13(T)	055364-T2-052213-FT-CRAWFISH-14(O)	055364-T2-052213-FT-CRAWFISH-14(T)	055364-T2-052213-FT-CRAWFISH-15(O)	055364-T2-052213-FT-CRAWFISH-15(T)
Sample Date:	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 14) 3,5-Dichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl	ng/g	0.0084 J#	< 0.021	0.010 J#	< 0.020	0.010 J#
(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.089	0.027 J	0.086	0.021	0.12
(PCB 142) 2,2',3,4,5,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.011 J#	< 0.021	0.015 J#	0.0041 J#	0.0072 J#
(PCB 144) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.014 J	< 0.021	0.017 J	0.0046 J	< 0.020
(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.17	0.019 J	0.19	0.015 J	0.21
(PCB 147) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.28 *	0.075 *	0.36 *	0.062 *	0.35 *
(PCB 148) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 149) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.28 #	0.075 #	0.36 #	0.062 #	0.35 #
(PCB 15) 4,4'-Dichlorobiphenyl	ng/g	0.017 J	0.0036 J	0.017 J	0.0036 J	0.011 J
(PCB 150) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 151) 2,2',3,5,5,6-Hexachlorobiphenyl	ng/g	0.17 #	0.051 #	0.18 #	0.042 #	0.17 #
(PCB 152) 2,2',3,5,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 153) 2,2',4,4,5,5'-Hexachlorobiphenyl	ng/g	0.76 *	0.054 *	0.83 *	0.044 *	0.97 *
(PCB 154) 2,2',4,4,5,6'-Hexachlorobiphenyl	ng/g	0.046 J	0.0023 J	0.023 J	0.0024 J	0.059 J
(PCB 155) 2,2',4,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 156) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	0.081 *	0.0079 J*	0.075 *	0.0045 J*	0.11 *
(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	0.081 #	0.0079 J#	0.075 #	0.0045 J#	0.11 #
(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	ng/g	0.048	0.0043 J	0.048	0.0044 J	0.072
(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0029 J	< 0.021	0.0049 J	< 0.020	0.0053 J
(PCB 16) 2,2',3-Trichlorobiphenyl	ng/g	0.014 J	0.0082 J	< 0.021	< 0.020	< 0.020
(PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	0.77 #	0.077 #	0.78 #	0.066 #	0.98 #
(PCB 161) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.0053 J	< 0.021	0.0062 J	< 0.020	0.0063 J
(PCB 163) 2,3,3',4,5,6-Hexachlorobiphenyl	ng/g	0.77 #	0.077 #	0.78 #	0.066 #	0.98 #
(PCB 164) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	0.041 J	0.010 J	0.042	0.0088 J	0.055
(PCB 165) 2,3,3',5,5,6-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	ng/g	0.085 #	0.0054 J#	0.093 #	0.0077 J#	0.13 #
(PCB 167) 2,3,4,4,5,5'-Hexachlorobiphenyl	ng/g	0.036	< 0.021	0.037	0.0021 J	0.056
(PCB 168) 2,3',4,4',5,6-Hexachlorobiphenyl	ng/g	0.76 #	0.054 #	0.83 #	0.044 #	0.97 #
(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0026 J	< 0.020	< 0.020
(PCB 17) 2,2',4-Trichlorobiphenyl	ng/g	0.011 J	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	ng/g	0.090 J	0.0068 J	0.084	< 0.020	0.12
(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	ng/g	0.020 J*	< 0.021	0.022 *	< 0.020	0.036 *
(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	ng/g	0.026	0.0045 J	0.026	< 0.020	0.036 J
(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.020 J#	< 0.021	0.022 #	< 0.020	0.036 #
(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.097	0.029	0.085	0.019 J	0.12
(PCB 175) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0045 J	< 0.020	< 0.020
(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	ng/g	0.0074 J	< 0.021	0.0089 J	< 0.020	0.010 J
(PCB 177) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.078	0.013 J	0.081	0.0078 J	0.095
(PCB 178) 2,2',3,3',5,5,6-Heptachlorobiphenyl	ng/g	0.055	0.0087 J	0.055	0.0068 J	0.062 J
(PCB 179) 2,2',3,3',5,6,6-Heptachlorobiphenyl	ng/g	0.036	0.0062 J	0.040	0.0051 J	0.031 J
(PCB 18) 2,2',5-Trichlorobiphenyl	ng/g	0.040 J*	0.015 J*	0.034 J*	0.012 J*	< 0.040
(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.31 *	0.027 *	0.27 *	0.022 *	0.42 *
(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	0.0045 J	< 0.021	0.0027 J	< 0.020	< 0.020
(PCB 183) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	0.097 *	0.017 J*	0.084 *	0.0093 J*	0.11 *
(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 185) 2,2',3,4,5,5,6-Heptachlorobiphenyl	ng/g	0.097 #	0.017 J#	0.084 #	0.0093 J#	0.11 #
(PCB 186) 2,2',3,4,5,6,6-Heptachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 187) 2,2',3,4,5,5,6-Heptachlorobiphenyl	ng/g	0.31	0.060	0.30	0.052	0.40
(PCB 188) 2,2',3,4,5,6,6-Heptachlorobiphenyl	ng/g	0.0043 J	< 0.021	0.0027 J	< 0.020	< 0.020
(PCB 189) 2,3,3,4,4',5,5'-Heptachlorobiphenyl	ng/g	0.0064 J	< 0.021	0.0049 J	< 0.020	0.0088 J
(PCB 19) 2,2',6-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	0.0062 J	< 0.020
(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.025	< 0.021	0.028	< 0.020	0.041 J
(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.0050 J	< 0.021	0.0071 J	< 0.020	0.011 J

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052213-FT-CRAWFISH-13(O)	055364-T2-052213-FT-CRAWFISH-13(T)	055364-T2-052213-FT-CRAWFISH-14(O)	055364-T2-052213-FT-CRAWFISH-14(T)	055364-T2-052213-FT-CRAWFISH-15(O)	055364-T2-052213-FT-CRAWFISH-15(T)
Sample Date:	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 193) 2,3,3',4',5,5',6-Heptachlorobiphenyl	ng/g	0.31 #	0.027 #	0.27 #	0.022 #	0.42 #
(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.046	< 0.021	0.044	< 0.020	0.053
(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	ng/g	0.017 J	< 0.021	0.023	< 0.020	0.032
(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	ng/g	0.024	< 0.021	0.018 J	< 0.020	0.026 J
(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	ng/g	0.0041 J	< 0.021	0.0043 J	< 0.020	< 0.020
(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	ng/g	0.074 *	0.0083 J*	0.075 *	0.0070 J*	0.091 J*
(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.0026 J	< 0.021	0.0042 J	< 0.020	< 0.020
(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.074 #	0.0083 J#	0.075 #	0.0070 J#	0.091 J#
(PCB 2) 3-Chlorobiphenyl	ng/g	0.0051 J	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 20) 2,3,3'-Trichlorobiphenyl	ng/g	0.15 *	0.015 J*	0.12 *	0.0094 J*	0.10 *
(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.014 J	0.0017 J	0.011 J	0.0021	< 0.020
(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	ng/g	0.030	0.0033 J	0.034	0.0026 J	0.034 J
(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	ng/g	0.027 J	< 0.021	0.032	< 0.020	0.044
(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0025 J	< 0.020	< 0.020
(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	ng/g	0.031 J	< 0.021	0.035	< 0.020	0.043
(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0058 J	< 0.020	0.0084 J
(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	ng/g	0.017 J	< 0.021	0.019 J	< 0.020	0.022 J
(PCB 209) Decachlorobiphenyl	ng/g	0.024 J	< 0.021	0.029	< 0.020	0.036
(PCB 21) 2,3,4-Trichlorobiphenyl	ng/g	0.0032 J*	< 0.021	0.0077 J*	0.0020 J*	< 0.020
(PCB 22) 2,3,4'-Trichlorobiphenyl	ng/g	0.0050 J	< 0.021	0.0051 J	< 0.020	< 0.020
(PCB 23) 2,3,5-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 24) 2,3,6-Trichlorobiphenyl	ng/g	0.046	< 0.021	< 0.021	0.0019 J	< 0.020
(PCB 25) 2,3',4-Trichlorobiphenyl	ng/g	0.0088 J	< 0.021	0.0071 J	< 0.020	0.0095 J
(PCB 26) 2,3',5-Trichlorobiphenyl	ng/g	0.048 J*	0.010 J*	0.036 *	0.0084 J*	0.040 J*
(PCB 27) 2,3',6-Trichlorobiphenyl	ng/g	< 0.020	0.017 J	< 0.021	< 0.020	< 0.020
(PCB 28) 2,4,4'-Trichlorobiphenyl	ng/g	0.15 #	0.015 J#	0.12 #	0.0094 J#	0.10 #
(PCB 29) 2,4,5-Trichlorobiphenyl	ng/g	0.048 J#	0.010 J#	0.036 #	0.0084 J#	0.040 J#
(PCB 3) 4-Monochlorobiphenyl	ng/g	0.0064 J	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 30) 2,4,6-Trichlorobiphenyl	ng/g	0.040 J#	0.015 J#	0.034 J#	0.012 J#	< 0.040
(PCB 31) 2,4',5-Trichlorobiphenyl	ng/g	0.073 J	0.012 J	0.064	0.0077 J	0.049 J
(PCB 32) 2,4',6-Trichlorobiphenyl	ng/g	< 0.020	0.0058 J	< 0.021	< 0.020	0.0068 J
(PCB 33) 2,3,4-Trichlorobiphenyl	ng/g	0.0032 J#	< 0.021	0.0077 J#	0.0020 J#	< 0.020
(PCB 34) 2,3',5'-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 35) 3,3',4-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 36) 3,3',5-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 37) 3,4,4'-Trichlorobiphenyl	ng/g	0.025 J	0.0026 J	0.016 J	< 0.020	0.015 J
(PCB 38) 3,4,5-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 39) 3,4',5-Trichlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 4) 2,2-Dichlorobiphenyl	ng/g	0.020 J	0.0067 J	0.010 J	< 0.040	< 0.040
(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	ng/g	0.019 J*	0.0041 J*	0.020 J*	0.0036 J*	0.016 J*
(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	ng/g	0.019 J#	0.0041 J#	0.020 J#	0.0036 J#	0.016 J#
(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	ng/g	0.0083 J	< 0.021	0.011 J	< 0.020	0.0091 J
(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0015 J*	< 0.020	< 0.020
(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	ng/g	0.16 *	0.026 *	0.18 *	0.026 *	0.20 *
(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0028 J*	< 0.020	< 0.020
(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	ng/g	0.16 #	0.026 #	0.18 #	0.026 #	0.20 #
(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	ng/g	0.0082 J	< 0.021	0.0091 J	< 0.020	< 0.020
(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	ng/g	0.076 *	0.011 J*	0.089 *	0.011 J*	0.097 *
(PCB 5) 2,3-Dichlorobiphenyl	ng/g	0.0083 J	< 0.021	< 0.021	< 0.020	0.043 J
(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	ng/g	0.010 J*	< 0.021	0.0099 J*	< 0.020	< 0.020
(PCB 51) 2,2',4,6'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0028 J#	< 0.020	< 0.020
(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	ng/g	0.27	0.074	0.28	0.067	0.28
(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	ng/g	0.010 J#	< 0.021	0.0099 J#	< 0.020	< 0.020
(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052213-FT-CRAWFISH-13(O)	055364-T2-052213-FT-CRAWFISH-13(T)	055364-T2-052213-FT-CRAWFISH-14(O)	055364-T2-052213-FT-CRAWFISH-14(T)	055364-T2-052213-FT-CRAWFISH-15(O)	055364-T2-052213-FT-CRAWFISH-15(T)
Sample Date:	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013	5/22/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0057 J	< 0.020	< 0.020
(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	ng/g	0.020 J	0.0050 J	0.024	0.0034 J	0.025
(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	ng/g	0.0049 J	< 0.021	0.0025 J	< 0.020	< 0.020
(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	ng/g	0.010 J	0.0026 J	< 0.021	< 0.020	< 0.020
(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	ng/g	0.012 *	< 0.021	0.0071 J*	0.0020 J*	0.014 J*
(PCB 60) 2,3-Dichlorobiphenyl	ng/g	0.0082 J	0.0066 J	0.0094 J	0.0030 J	< 0.020
(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	ng/g	0.017 J	< 0.021	0.017 J	< 0.020	0.016 J
(PCB 61) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.23 *	0.038 J*	0.22 *	0.032 J*	0.21 *
(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	ng/g	0.012 J#	< 0.021	0.0071 J#	0.0020 J#	0.014 J#
(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	ng/g	0.014 J	< 0.021	0.016 J	< 0.020	0.018 J
(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	ng/g	0.0061 J	< 0.021	0.010 J	< 0.020	0.012 J
(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	ng/g	0.16 #	0.026 #	0.18 #	0.026 #	0.20 #
(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	0.25	0.022	0.25	0.013 J	0.25
(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0035 J	< 0.020	< 0.020
(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.014 J	< 0.021	0.013 J	< 0.020	0.016 J
(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	ng/g	0.076 #	0.011 J#	0.089 #	0.011 J#	0.097 #
(PCB 71) 2,4-Dichlorobiphenyl	ng/g	0.0058 J	0.0048 J	< 0.021	< 0.020	< 0.020
(PCB 70) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.23 #	0.038 J#	0.22 #	0.032 J#	0.21 #
(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	ng/g	0.019 J#	0.0041 J#	0.020 J#	0.0036 J#	0.016 J#
(PCB 72) 2,3',5,5-Tetrachlorobiphenyl	ng/g	0.018 J	< 0.021	0.020 J	0.0018 J	0.022
(PCB 73) 2,3',5',6-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0015 J#	< 0.020	< 0.020
(PCB 74) 2,4,4',5-Tetrachlorobiphenyl	ng/g	0.23 #	0.038 J#	0.22 #	0.032 J#	0.21 #
(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	ng/g	0.012 J#	< 0.021	0.0071 J#	0.0020 J#	0.014 J#
(PCB 76) 2,3',4',5-Tetrachlorobiphenyl	ng/g	0.23 #	0.038 J#	0.22 #	0.032 J#	0.21 #
(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	ng/g	0.013 J	< 0.021	0.014 J	< 0.020	0.014 J
(PCB 78) 3,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	ng/g	0.0051 J	< 0.021	0.0044 J	< 0.020	< 0.020
(PCB 81) 2,4'-Dichlorobiphenyl	ng/g	< 0.040	< 0.043	0.0064 J	< 0.040	< 0.040
(PCB 80) 3,3',5,5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	ng/g	0.011 J	< 0.021	0.015 J	< 0.020	0.012 J
(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	ng/g	0.62 *	0.049 *	0.57 *	0.040 *	0.77 *
(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	ng/g	0.023	0.0062 J	0.019 J	< 0.020	0.020
(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.11 *	0.0040 J*	0.11 *	0.0080 J*	0.16 J*
(PCB 86) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.26 *	0.054 *	0.23 *	0.039 J*	0.31 *
(PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl	ng/g	0.26 #	0.054 #	0.23 #	0.039 J#	0.31 #
(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	0.048 J*	< 0.021	0.059 *	0.0069 J*	0.078 *
(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 90) 2,5-Dichlorobiphenyl	ng/g	< 0.020	0.0030 J	0.0069 J	0.0033 J	0.022 J
(PCB 90) 2,2',3,4',5-Pentachlorobiphenyl	ng/g	0.72 *	0.14 *	0.63 *	0.11 J*	0.82 *
(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	0.048 J#	< 0.021	0.059 #	0.0069 J#	0.078 #
(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	ng/g	0.15	0.028 J	0.14	0.026	0.14 J
(PCB 93) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0035 J*	< 0.020	< 0.020
(PCB 94) 2,2',3,5,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	ng/g	0.19	0.079	0.20	0.065	0.16
(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	< 0.021	< 0.020	< 0.020
(PCB 97) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	0.26 #	0.054 #	0.23 #	0.039 J#	0.31 #
(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	< 0.020	< 0.021	0.0061 J*	< 0.020	< 0.020
(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	ng/g	0.62 #	0.049 #	0.57 #	0.040 #	0.77 #

Notes:

- Not analyzed.

< Not present at or above the associated value.

J Estimated concentration.

* Associated concentration is the sum of co-eluting congeners (i.e. PCB 86).

Indicates a redundant concentration from the co-elution set and should not be included in data sum

TABLE 2

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TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052813-FT-CRAWFISH-16(H)	055364-T2-052813-FT-CRAWFISH-16(T)	055364-T2-052813-FT-CRAWFISH-17(H)	055364-T2-052813-FT-CRAWFISH-17(T)	055364-T2-052813-FT-CRAWFISH-18(H)	055364-T2-052813-FT-CRAWFISH-18(T)	
Sample Date:	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013
Parameters							
Semi-Volatile Organic Compounds (SVOCs)							
Hexachlorobenzene	µg/kg	< 650	< 67	< 660	< 65	< 670	< 66
Hexachlorobutadiene	µg/kg	< 650	< 67	< 660	< 65	< 670	< 66
Metals							
Arsenic	mg/kg	0.77	0.11	0.98	0.11	0.74	0.11
Lead	mg/kg	0.053 J	1.4	0.086 J	0.032 J	0.22	0.038 J
Mercury	mg/kg	< 0.032	0.025 J	< 0.033	0.027 J	< 0.033	0.023 J
General Chemistry							
Lipids	%	21	0.14	36	0.16	21	0.14
Polychlorinated Biphenyls (PCBs)							
(PCB 1) 2-Chlorobiphenyl	ng/g	0.014 J	< 0.019	0.025	0.0054 J	< 0.021	0.0028 J
(PCB 10) 2,6-Dichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	ng/g	0.022 #	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	ng/g	8.2 #	0.073 J#	8.4 #	0.099 #	8.9 #	0.11 #
(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	ng/g	0.053 #	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	ng/g	0.14 J	< 0.019	0.18	< 0.019	0.18	< 0.020
(PCB 104) 2,2',4,6,6'-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	ng/g	2.2	0.012 J	2.3	0.0098 J	2.6	0.012 J
(PCB 106) 2,3,3,4,5-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 107/108) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.27 *	< 0.019	0.26 *	0.0028 J*	0.29 *	< 0.020
(PCB 107/109) 2,3,3',4,6-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	0.86	0.0030 J	0.92	0.0036 J	0.92	0.0042 J
(PCB 108/109) 2,3,3',4,5,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	ng/g	3.0 #	0.027 #	3.1 #	0.036 #	3.0 #	0.025 J#
(PCB 11) 3,3'-Dichlorobiphenyl	ng/g	0.30 J	< 0.039	0.34 J	< 0.038	0.32 J	< 0.040
(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	ng/g	2.4 *	0.020 J*	1.9 *	0.017 J*	1.9 *	0.019 J*
(PCB 111) 2,3,3,5,5'-Pentachlorobiphenyl	ng/g	0.080	< 0.019	0.057 J	< 0.019	0.074 J	< 0.020
(PCB 112) 2,3,3',5,6-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 113) 2,3,3',5',6-Pentachlorobiphenyl	ng/g	8.2 #	0.073 J#	8.4 #	0.099 #	8.9 #	0.11 #
(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	ng/g	0.17	< 0.019	0.16	< 0.019	0.23	< 0.020
(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	ng/g	2.4 #	0.020 J#	1.9 #	0.017 J#	1.9 #	0.019 J#
(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	ng/g	1.5 #	< 0.019	1.4 #	< 0.019	1.6 #	0.0042 J#
(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	ng/g	1.5 #	< 0.019	1.4 #	< 0.019	1.6 #	0.0042 J#
(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	ng/g	9.0	0.034 J	8.6	0.040	11	0.045 J
(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	ng/g	3.0 #	0.027 #	3.1 #	0.036 #	3.0 #	0.025 J#
(PCB 12) 3,4-Dichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 120) 2,3,4,5,5'-Pentachlorobiphenyl	ng/g	0.20	< 0.019	0.26	< 0.019	0.20 J	< 0.020
(PCB 121) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 122) 2,3,3',4,5'-Pentachlorobiphenyl	ng/g	0.060 J	< 0.019	0.080	< 0.019	0.088	< 0.020
(PCB 123) 2,3,3,4,5'-Pentachlorobiphenyl	ng/g	0.16 J	< 0.019	0.16 J	< 0.019	0.22	0.0014 J
(PCB 124) 2,3',4,5,5'-Pentachlorobiphenyl	ng/g	0.27 #	< 0.019	0.26 #	0.0028 J#	0.29 #	< 0.020
(PCB 125) 2,3',4,5',6-Pentachlorobiphenyl	ng/g	3.0 #	0.027 #	3.1 #	0.036 #	3.0 #	0.025 J#
(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	ng/g	0.27 J	< 0.019	0.011 J	< 0.019	0.086 J	< 0.020
(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	ng/g	0.017 J	< 0.019	0.011 J	< 0.019	0.027 J	< 0.020
(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	ng/g	1.4 *	< 0.019	1.4 *	0.0066 J*	1.3 *	0.0055 J*
(PCB 129) 2,2',3,3',4,5,1-Hexachlorobiphenyl	ng/g	11 *	0.060 *	12 *	0.071 *	12 *	0.062 J*
(PCB 13) 3,4'-Dichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021	< 0.020
(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	ng/g	0.67	0.0068 J	0.66	0.0032 J	0.63	0.0032 J
(PCB 131) 2,2',3,3',4,6'-Hexachlorobiphenyl	ng/g	0.030 J	< 0.019	0.034	< 0.019	0.040	< 0.020
(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	ng/g	0.70	< 0.019	0.76	0.0073 J	0.66	0.0058 J
(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	ng/g	0.35	< 0.019	0.38	< 0.019	0.39	< 0.020
(PCB 134) 2,2',3,3',5,6'-Hexachlorobiphenyl	ng/g	0.18 *	< 0.019	0.20 *	< 0.019	0.17 *	< 0.020
(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	ng/g	2.6 *	0.030 *	2.7 *	0.026 J*	2.5 *	0.037 *
(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	ng/g	0.33	< 0.019	0.37	< 0.019	0.32	< 0.020
(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	0.41	< 0.019	0.41	< 0.019	0.45	< 0.020
(PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl	ng/g	11 #	0.060 #	12 #	0.071 #	12 #	0.062 J#
(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	ng/g	0.11 *	< 0.019	0.12 *	< 0.019	0.12 *	< 0.020

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052813-FT-CRAWFISH-16(H)	055364-T2-052813-FT-CRAWFISH-16(T)	055364-T2-052813-FT-CRAWFISH-17(H)	055364-T2-052813-FT-CRAWFISH-17(T)	055364-T2-052813-FT-CRAWFISH-18(H)	055364-T2-052813-FT-CRAWFISH-18(T)
Sample Date:	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 14) 3,5-Dichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl	ng/g	0.11 #	< 0.019	0.12 #	< 0.019	0.12 #
(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	0.96	0.012 J	0.97	0.020	1.1
(PCB 142) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.18 #	< 0.019	0.20 #	< 0.019	0.17 #
(PCB 144) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.27	< 0.019	0.27	< 0.019	0.24
(PCB 145) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	ng/g	2.6	0.012 J	2.9	0.017 J	2.9
(PCB 147) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	3.5 *	0.037 J*	3.7 *	0.058 *	4.0 *
(PCB 148) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	0.074 J	< 0.019	0.091	< 0.019	0.067 J
(PCB 149) 2,2',3,4,5,6'-Hexachlorobiphenyl	ng/g	3.5 #	0.037 J#	3.7 #	0.058 #	4.0 #
(PCB 15) 4,4'-Dichlorobiphenyl	ng/g	0.23 J	< 0.019	0.24 J	< 0.019	0.22 J
(PCB 150) 2,2',3,4,6,6'-Hexachlorobiphenyl	ng/g	0.026 J	< 0.019	0.045	< 0.019	< 0.021
(PCB 151) 2,2',3,5,5,6'-Hexachlorobiphenyl	ng/g	2.6 #	0.030 #	2.7 #	0.026 J#	2.5 #
(PCB 152) 2,2',3,5,6,6'-Hexachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 153) 2,2',4,4,5,5'-Hexachlorobiphenyl	ng/g	12 *	0.048 *	13 *	0.059 *	13 *
(PCB 154) 2,2',4,4,5,6'-Hexachlorobiphenyl	ng/g	0.46 J	< 0.019	0.60 J	< 0.019	0.55
(PCB 155) 2,2',4,4,6,6'-Hexachlorobiphenyl	ng/g	0.043	< 0.019	0.039 J	< 0.019	0.034
(PCB 156) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	1.0 *	< 0.019	1.0 *	0.0047 J*	1.3 *
(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	ng/g	1.0 #	< 0.019	1.0 #	0.0047 J#	1.3 #
(PCB 158) 2,3,3',4,4',6'-Hexachlorobiphenyl	ng/g	0.66	0.0053 J	0.62	0.0049 J	0.67
(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.056	< 0.019	0.070 J	< 0.019	0.059
(PCB 16) 2,2',3-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 160) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	11 #	0.060 #	12 #	0.071 #	12 #
(PCB 161) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	ng/g	0.065 J	< 0.019	0.085	< 0.019	0.085
(PCB 163) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	11 #	0.060 #	12 #	0.071 #	12 #
(PCB 164) 2,3,3',4,5,6'-Hexachlorobiphenyl	ng/g	0.47	0.0055 J	0.48	< 0.019	0.51
(PCB 165) 2,3,3',5,5',6'-Hexachlorobiphenyl	ng/g	0.041 J	< 0.019	0.037 J	< 0.019	0.033 J
(PCB 166) 2,3,4,4',5,6'-Hexachlorobiphenyl	ng/g	1.4 #	< 0.019	1.4 #	0.0066 J#	1.3 #
(PCB 167) 2,3,4,4',5,5'-Hexachlorobiphenyl	ng/g	0.54	< 0.019	0.52	< 0.019	0.62
(PCB 168) 2,3',4,4',5,6'-Hexachlorobiphenyl	ng/g	12 #	0.048 #	13 #	0.059 #	13 #
(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	ng/g	0.12 J	< 0.019	0.18 J	< 0.019	0.055 J
(PCB 17) 2,2',4-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	ng/g	1.4	< 0.019	1.4	< 0.019	1.4
(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	ng/g	0.45 *	< 0.019	0.44 *	< 0.019	0.36 J*
(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	ng/g	0.50	< 0.019	0.52	< 0.019	0.49
(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	0.45 #	< 0.019	0.44 #	< 0.019	0.36 J#
(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	1.3	0.011 J	1.3	0.017 J	1.2
(PCB 175) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	ng/g	0.084 J	< 0.019	0.10 J	< 0.019	0.11
(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	ng/g	0.13 J	< 0.019	0.14 J	< 0.019	0.13
(PCB 177) 2,2',3,3',4,5,6-Heptachlorobiphenyl	ng/g	1.5	< 0.019	1.5	< 0.019	1.3
(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	ng/g	1.1	< 0.019	1.1	0.0089 J	1.0
(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	ng/g	0.51 J	< 0.019	0.60	< 0.019	0.45 J
(PCB 18) 2,2',5-Trichlorobiphenyl	ng/g	0.17 J*	< 0.039	0.28 *	< 0.038	0.19 J*
(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	ng/g	5.4 *	0.012 J*	5.3 *	0.023 *	5.4 *
(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	ng/g	0.055 J	< 0.019	0.058	< 0.019	0.072 J
(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	0.018 J	< 0.019	0.047 J	< 0.019	0.012 J
(PCB 183) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	ng/g	1.6 *	< 0.019	1.7 *	0.0073 J*	1.6 *
(PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl	ng/g	0.024 J	< 0.019	0.033	< 0.019	0.028 J
(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	ng/g	1.6 #	< 0.019	1.7 #	0.0073 J#	1.6 #
(PCB 186) 2,2',3,4,5,6,6'-Heptachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	ng/g	6.0	0.045	6.4	0.058	5.5
(PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl	ng/g	0.095 J	< 0.019	0.12 J	< 0.019	0.11
(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	ng/g	0.081	< 0.019	0.064 J	< 0.019	0.089
(PCB 19) 2,2',6-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.45	< 0.019	0.40	< 0.019	0.51
(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	ng/g	0.12 J	< 0.019	0.077 J	< 0.019	0.12 J

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052813-FT-CRAWFISH-16(H)	055364-T2-052813-FT-CRAWFISH-16(T)	055364-T2-052813-FT-CRAWFISH-17(H)	055364-T2-052813-FT-CRAWFISH-17(T)	055364-T2-052813-FT-CRAWFISH-18(H)	055364-T2-052813-FT-CRAWFISH-18(T)
Sample Date:	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 193) 2,3,3',4',5,5',6-Heptachlorobiphenyl	ng/g	5.4 #	0.012 J#	5.3 #	0.023 #	5.4 #
(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	ng/g	0.73	< 0.019	0.69 J	< 0.019	0.70
(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	ng/g	0.30	< 0.019	0.37	< 0.019	0.35
(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	ng/g	0.40	< 0.019	0.43	< 0.019	0.39
(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	ng/g	0.11	< 0.019	0.099 J	< 0.019	0.076 J
(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	ng/g	1.3 *	< 0.019	1.5 *	0.0064 J*	1.3 *
(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.060	< 0.019	0.057	< 0.019	0.045 J
(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	1.3 #	< 0.019	1.5 #	0.0064 J#	1.3 #
(PCB 2) 3-Chlorobiphenyl	ng/g	0.011 J	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 20) 2,3,3'-Trichlorobiphenyl	ng/g	1.1 *	0.0084 J*	1.3 *	0.0089 J*	1.7 *
(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	ng/g	0.28	< 0.019	0.33	< 0.019	0.26
(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	ng/g	0.78	< 0.019	0.84	< 0.019	0.68
(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	ng/g	0.51	< 0.019	0.62	< 0.019	0.59
(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	ng/g	0.046	< 0.019	0.063	< 0.019	0.047
(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	ng/g	0.55	< 0.019	0.72	< 0.019	0.53
(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	ng/g	0.10	< 0.019	0.13	< 0.019	0.088 J
(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	ng/g	0.34	< 0.019	0.46	< 0.019	0.35
(PCB 209) Decachlorobiphenyl	ng/g	0.26	< 0.019	0.37	< 0.019	0.24
(PCB 21) 2,3,4-Trichlorobiphenyl	ng/g	0.072 J*	< 0.019	0.064 J*	< 0.019	0.065 J*
(PCB 22) 2,3,4'-Trichlorobiphenyl	ng/g	0.047 J	< 0.019	0.051 J	< 0.019	0.036
(PCB 23) 2,3,5-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 24) 2,3,6-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 25) 2,3',4-Trichlorobiphenyl	ng/g	0.043 J	< 0.019	0.042 J	< 0.019	0.057 J
(PCB 26) 2,3',5-Trichlorobiphenyl	ng/g	0.20 *	0.0059 J*	0.17 *	< 0.019	0.41 *
(PCB 27) 2,3',6-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 28) 2,4,4'-Trichlorobiphenyl	ng/g	1.1 #	0.0084 J#	1.3 #	0.0089 J#	1.7 #
(PCB 29) 2,4,5-Trichlorobiphenyl	ng/g	0.20 #	0.0059 J#	0.17 #	< 0.019	0.41 #
(PCB 3) 4-Monochlorobiphenyl	ng/g	< 0.021 J	< 0.019	< 0.024	< 0.019	< 0.021 J
(PCB 30) 2,4,6-Trichlorobiphenyl	ng/g	0.17 J#	< 0.039	0.28 #	< 0.038	0.19 J#
(PCB 31) 2,4',5-Trichlorobiphenyl	ng/g	0.49	0.0049 J	0.53	0.0060 J	0.74
(PCB 32) 2,4',6-Trichlorobiphenyl	ng/g	0.018 J	< 0.019	< 0.024	< 0.019	0.023 J
(PCB 33) 2,3,4-Trichlorobiphenyl	ng/g	0.072 J#	< 0.019	0.064 J#	< 0.019	0.065 J#
(PCB 34) 2,3',5'-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 35) 3,3',4-Trichlorobiphenyl	ng/g	0.015 J	< 0.019	0.017 J	< 0.019	< 0.021
(PCB 36) 3,3',5-Trichlorobiphenyl	ng/g	0.0075 J	< 0.019	< 0.024	< 0.019	0.012 J
(PCB 37) 3,4,4'-Trichlorobiphenyl	ng/g	0.17 J	< 0.019	0.17 J	< 0.019	0.20
(PCB 38) 3,4,5-Trichlorobiphenyl	ng/g	< 0.021	< 0.019	0.014 J	< 0.019	< 0.021
(PCB 39) 3,4',5-Trichlorobiphenyl	ng/g	0.017 J	< 0.019	0.018 J	< 0.019	< 0.021
(PCB 4) 2,2-Dichlorobiphenyl	ng/g	< 0.043	< 0.039	< 0.047	< 0.038	< 0.042
(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	ng/g	0.18 *	< 0.019	0.15 *	< 0.019	0.12 *
(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	ng/g	0.18 #	< 0.019	0.15 #	< 0.019	0.12 #
(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	ng/g	0.059 J	< 0.019	0.052 J	< 0.019	0.041 J
(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	ng/g	0.033 J*	< 0.019	0.035 J*	< 0.019	0.048 *
(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	ng/g	2.2 *	0.021 *	2.1 *	0.023 *	1.9 *
(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	ng/g	0.020 J*	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 46) 2,2',3,6'-Tetrachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	ng/g	2.2 #	0.021 #	2.1 #	0.023 #	1.9 #
(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	ng/g	0.11	< 0.019	0.097	< 0.019	0.057
(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	ng/g	1.1 *	0.0064 J*	0.97 *	0.0074 J*	0.80 *
(PCB 5) 2,3-Dichlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	ng/g	0.081 *	< 0.019	0.093 *	< 0.019	0.084 J*
(PCB 51) 2,2',4,6'-Tetrachlorobiphenyl	ng/g	0.020 J#	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 52) 2,2',5,5'-Tetrachlorobiphenyl	ng/g	3.5	0.044	3.5	0.050	3.2
(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	ng/g	0.081 #	< 0.019	0.093 #	< 0.019	0.084 J#
(PCB 54) 2,2',6,6'-Tetrachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021

TABLE 2

**ANALYTICAL RESULTS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Sample Description:	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish	Crawfish
Sample Location:	Lake	Lake	Lake	Lake	Lake	Lake
Sample Identification:	055364-T2-052813-FT-CRAWFISH-16(H)	055364-T2-052813-FT-CRAWFISH-16(T)	055364-T2-052813-FT-CRAWFISH-17(H)	055364-T2-052813-FT-CRAWFISH-17(T)	055364-T2-052813-FT-CRAWFISH-18(H)	055364-T2-052813-FT-CRAWFISH-18(T)
Sample Date:	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013	5/28/2013
Parameters						
Polychlorinated Biphenyls (PCBs) (Continued)						
(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	ng/g	0.033 J	< 0.019	0.030 J	< 0.019	0.046 J
(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	ng/g	0.28 J	< 0.019	0.32	< 0.019	0.27
(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	ng/g	0.044	< 0.019	0.034 J	< 0.019	0.033 J
(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	ng/g	0.0093 J	< 0.019	0.024 J	< 0.019	0.018 J
(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	ng/g	0.16 *	< 0.019	0.15 J*	< 0.019	0.14 *
(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 61) 2,3,4,5-Tetrachlorobiphenyl	ng/g	0.27	< 0.019	0.29 J	< 0.019	0.29
(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	ng/g	3.0 *	0.026 J*	3.2 *	0.037 J*	3.1 *
(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	ng/g	0.16 #	< 0.019	0.15 J#	< 0.019	0.14 #
(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	ng/g	0.20	< 0.019	0.20	< 0.019	0.24
(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	ng/g	0.080	< 0.019	0.068	< 0.019	0.068
(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	2.2 #	0.021 #	2.1 #	0.023 #	1.9 #
(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	ng/g	3.3	0.015 J	3.3	0.021	3.9
(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.058 J	< 0.019	0.062	< 0.019	0.047
(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	ng/g	0.15	< 0.019	0.15	< 0.019	0.19
(PCB 70) 2,4-Dichlorobiphenyl	ng/g	1.1 #	0.0064 J#	0.97 #	0.0074 J#	0.80 #
(PCB 71) 2,3',4,6-Tetrachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 72) 2,3',5,5-Tetrachlorobiphenyl	ng/g	3.0 #	0.026 J#	3.2 #	0.037 J#	3.1 #
(PCB 73) 2,3',5,6-Tetrachlorobiphenyl	ng/g	0.18 #	< 0.019	0.15 #	< 0.019	0.12 #
(PCB 74) 2,4,4',5-Tetrachlorobiphenyl	ng/g	0.22	< 0.019	0.20	< 0.019	0.26
(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	ng/g	0.033 J#	< 0.019	0.035 J#	< 0.019	0.048 #
(PCB 76) 2,4,4',5'-Tetrachlorobiphenyl	ng/g	3.0 #	0.026 J#	3.2 #	0.037 J#	3.1 #
(PCB 77) 2,3',4,4'-Tetrachlorobiphenyl	ng/g	0.19	< 0.019	0.19	< 0.019	0.20
(PCB 78) 2,3',4,5-Tetrachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 79) 2,3',4,5'-Tetrachlorobiphenyl	ng/g	0.069 J	< 0.019	0.062 J	< 0.019	0.071
(PCB 80) 2,4'-Dichlorobiphenyl	ng/g	< 0.043	< 0.039	< 0.047	< 0.038	< 0.042
(PCB 81) 2,3',5,5-Tetrachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	ng/g	0.0067 J	< 0.019	0.017 J	< 0.019	0.010 J
(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	ng/g	0.099 J	< 0.019	0.068 J	< 0.019	0.073 J
(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	ng/g	8.1 *	0.027 J*	8.1 *	0.033 J*	9.0 *
(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	0.26	< 0.019	0.26	< 0.019	0.21
(PCB 86) 2,2',3,4,4'-Pentachlorobiphenyl	ng/g	1.5 *	< 0.019	1.4 *	< 0.019	1.6 *
(PCB 87) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	3.0 *	0.027 *	3.1 *	0.036 *	3.0 *
(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	ng/g	3.0 #	0.027 #	3.1 #	0.036 #	3.0 #
(PCB 89) 2,2',3,4,6'-Pentachlorobiphenyl	ng/g	0.61 J*	< 0.019	0.68 *	< 0.019	0.70 *
(PCB 90) 2,2',3,4',5-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	8.2 *	0.073 J*	8.4 *	0.099 *	8.9 *
(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	ng/g	0.61 J#	< 0.019	0.68 #	< 0.019	0.70 #
(PCB 93) 2,2',3,5,6-Pentachlorobiphenyl	ng/g	1.6	0.013 J	1.6	0.016 J	2.0
(PCB 94) 2,2',3,5,6'-Pentachlorobiphenyl	ng/g	0.022 *	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 96) 2,2',3,6,6'-Pentachlorobiphenyl	ng/g	2.3	0.039 J	2.4	0.054	2.1
(PCB 97) 2,2',3,4,5-Pentachlorobiphenyl	ng/g	< 0.021	< 0.019	< 0.024	< 0.019	< 0.021
(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	ng/g	3.0 #	0.027 #	3.1 #	0.036 #	3.0 #
(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	ng/g	0.053 *	< 0.019	< 0.024	< 0.019	< 0.021
	ng/g	8.1 #	0.027 J#	8.1 #	0.033 J#	9.0 #

Notes:

- Not analyzed.
< Not present at or above the associated value.

J Estimated concentration.

* Associated concentration is the sum of co-eluting congeners (i.e. PCB 86).

Indicates a redundant concentration from the co-elution set and should not be included in data sum

TABLE 3

**SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHODS SUMMARY
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

<i>Parameter</i>	<i>Analytical Method</i>	<i>Collection to Extract (Days)</i>	<i>Collection/Extraction to Analysis (Days)</i>
Total Metals (Except Mercury)	6010B ¹	-	180
Mercury	7471 ¹	-	28
SVOCs	8270C ¹	14	40
PCB Congeners	EPA 1668A ¹	365	365
Lipid Content	MADEP ²	-	-
% Moisture	EPA 160.3	-	-

Notes:

¹ Referenced from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.

² Methods from the Massachusetts Department of Environmental Protection, Division of Environmental Analysis, Office of Research and Standards, Bureau of Waste Site Cleanup, Revision 1.1, May 2004

- = Not Applicable

EPA = United States Environmental Protection Agency

PCBs = Polychlorinated Biphenyls

SVOCs = Semi-Volatile Organic Compounds

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013

Parameter	Analyte	Analysis Date	Blank Result	Sample ID	Qualified Result	Units
Metals	Arsenic	6/22/2013	0.017	055364-T2-05-13-13-FT-CRAWFISH-1(T)	0.081	U mg/kg
				055364-T2-052013-FT-CRAWFISH-2(T)	0.078	U mg/kg
				055364-T2-052013-FT-CRAWFISH-3(T)	0.081	U mg/kg
PCB Congeners	(PCB 1) 2-Chlorobiphenyl	6/21/2013	0.00023 J	055364-T2-052013-FT-CRAWFISH-9(T)	0.022	U ng/g
				055364-T2-052013-FT-CRAWFISH-10(T)	0.022	U ng/g
PCB Congeners	(PCB 11) 3,3'-Dichlorobiphenyl	6/11/2013	0.0034 J	055364-T2-052213-FT-CRAWFISH-11(T)	0.020	U ng/g
				055364-T2-052213-FT-CRAWFISH-12(T)	0.020	U ng/g
				055364-T2-052213-FT-CRAWFISH-13(T)	0.043	U ng/g
				055364-T2-052213-FT-CRAWFISH-14(T)	0.040	U ng/g
				055364-T2-052213-FT-CRAWFISH-15(T)	0.040	U ng/g
				055364-T2-052813-FT-CRAWFISH-18(T)	0.040	U ng/g
PCB Congeners	(PCB 11) 3,3'-Dichlorobiphenyl	6/21/2013	0.0038 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.045	U ng/g
				055364-T2-052013-FT-CRAWFISH-3(T)	0.045	U ng/g
				055364-T2-052013-FT-CRAWFISH-4(T)	0.043	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.043	U ng/g
				055364-T2-052013-FT-CRAWFISH-9(T)	0.043	U ng/g
				055364-T2-052013-FT-CRAWFISH-10(T)	0.044	U ng/g
PCB Congeners	(PCB 12) 3,4-Dichlorobiphenyl	6/21/2013	0.00065 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.023	U ng/g
PCB Congeners	(PCB 13) 3,4'-Dichlorobiphenyl	6/21/2013	0.00065 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.023	U ng/g
PCB Congeners	(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	6/21/2013	0.00073 J	055364-T2-052013-FT-CRAWFISH-10(T)	0.022	U ng/g
PCB Congeners	(PCB 21) 2,3,4-Trichlorobiphenyl	6/21/2013	0.00050 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.023	U ng/g
				055364-T2-052013-FT-CRAWFISH-3(T)	0.023	U ng/g
				055364-T2-052013-FT-CRAWFISH-4(T)	0.022	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.022	U ng/g
PCB Congeners	(PCB 33) 2',3,4-Trichlorobiphenyl	6/21/2013	0.00050 J	055364-T2-052013-FT-CRAWFISH-3(T)	0.023	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.022	U ng/g
PCB Congeners	(PCB 37) 3,4,4'-Trichlorobiphenyl	6/21/2013	0.00028 J	055364-T2-052013-FT-CRAWFISH-3(T)	0.023	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.022	U ng/g
PCB Congeners	(PCB 6) 2,3'-Dichlorobiphenyl	6/21/2013	0.00053 J	055364-T2-052013-FT-CRAWFISH-8(T)	0.022	U ng/g
PCB Congeners	(PCB 7) 2,4-Dichlorobiphenyl	6/21/2013	0.00093 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.023	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.022	U ng/g
PCB Congeners	(PCB 8) 2,4'-Dichlorobiphenyl	5/24/2013	0.0015 J	055364-T2-05-13-13-FT-CRAWFISH-1(O)	0.019	U ng/g
				055364-T2-05-13-13-FT-CRAWFISH-1(T)	0.020	U ng/g
PCB Congeners	(PCB 8) 2,4'-Dichlorobiphenyl	6/11/2013	0.0010 J	055364-T2-052213-FT-CRAWFISH-11(T)	0.020	U ng/g
				055364-T2-052213-FT-CRAWFISH-12(T)	0.020	U ng/g
				055364-T2-052213-FT-CRAWFISH-13(T)	0.043	U ng/g
				055364-T2-052813-FT-CRAWFISH-18(T)	0.040	U ng/g
PCB Congeners	(PCB 8) 2,4'-Dichlorobiphenyl	6/21/2013	0.0013 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.045	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.043	U ng/g
				055364-T2-052013-FT-CRAWFISH-9(T)	0.043	U ng/g
PCB Congeners	(PCB 9) 2,5-Dichlorobiphenyl	6/21/2013	0.00076 J	055364-T2-052013-FT-CRAWFISH-2(T)	0.023	U ng/g
				055364-T2-052013-FT-CRAWFISH-8(T)	0.022	U ng/g

Notes:

J Estimated Concentration
 U Not detected at the associated reporting limit.
 PCB Polychlorinated Biphenyl

TABLE 5

QUALIFIED SAMPLE RESULT DUE TO ANALYTE CONCENTRATIONS IN THE INSTRUMENT BLANKS
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result*</i>	<i>Sample ID</i>	<i>Reported Sample Report</i>	<i>Qualified Sample Result</i>	<i>Units</i>
Metals	6/17/2013	Mercury	0.0072	055364-T2-052013-FT-CRAWFISH-2(T)	0.033	0.033	U mg/kg

Notes:

U = Not detected at the associated reporting limit.

* = Blank results adjusted for digestion factors and sample dilutions.

TABLE 6

QUALIFIED SAMPLE DATA DUE TO OUTLYING INTERNAL STANDARD RECOVERIES
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013

<i>Parameter</i>	<i>Sample ID</i>	<i>Surrogate</i>	<i>Surrogate Recovery (percent)</i>	<i>Control Limits (percent)</i>	<i>Analyte</i>	<i>Qualified Result</i>	<i>Units</i>
PCB Congeners	055364-T2-052213-FT-CRAWFISH-11(O)	13Cl ₂ -PCB 1	29	30-140	(PCB 1) 2-Chlorobiphenyl	0.0069 J	ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-12(T)	13Cl ₂ -PCB 1	27	30-140	(PCB 1) 2-Chlorobiphenyl	0.0037 J	ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-16(H)	13Cl ₂ -PCB 3	24	30-140	(PCB 3) 4-Monochlorobiphenyl	0.021 UJ	ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-18(H)	13Cl ₂ -PCB 3	23	30-140	(PCB 3) 4-Monochlorobiphenyl	0.021 UJ	ng/g

Notes:

PCB = Polychlorinated Biphenyl

J = Estimated Concentration

UJ = Not detected; associated reporting limit is estimated.

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-05-13-13-FT-CRAWFISH-1(O)	(PCB 4) 2,2'-Dichlorobiphenyl	0.0016	J ng/g
		(PCB 5) 2,3-Dichlorobiphenyl	0.00042	J ng/g
		(PCB 6) 2,3'-Dichlorobiphenyl	0.0030	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.014	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.0012	J ng/g
		(PCB 10) 2,6-Dichlorobiphenyl	0.00059	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0014	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.024	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.024	J ng/g
		(PCB 17) 2,2',4-Trichlorobiphenyl	0.0031	J ng/g
		(PCB 34) 2,3',5'-Trichlorobiphenyl	0.0012	J ng/g
		(PCB 27) 2,3',6-Trichlorobiphenyl	0.0020	J ng/g
		(PCB 32) 2,4',6-Trichlorobiphenyl	0.0021	J ng/g
		(PCB 16) 2,2',3-Trichlorobiphenyl	0.0034	J ng/g
		(PCB 22) 2,3,4'-Trichlorobiphenyl	0.0046	J ng/g
		(PCB 36) 3,3',5-Trichlorobiphenyl	0.00084	J ng/g
		(PCB 39) 3,4',5-Trichlorobiphenyl	0.00084	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	0.0066	J ng/g
		(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	0.0048	J ng/g
		(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	0.0020	J ng/g
		(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.0054	J ng/g
		(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	0.0081	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 58) 2,3,3',5-Tetrachlorobiphenyl	0.0028	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.020	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.0074	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.0095	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.014	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.0030	J ng/g
		(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	0.0045	J ng/g
		(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	0.0049	J ng/g
		(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	0.0020	J ng/g
		(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	0.0081	J ng/g
		(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	0.013	J ng/g
		(PCB 51) 2,2',4,6-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 102) 2,2',4,5,6-Pentachlorobiphenyl	0.0049	J ng/g
		(PCB 150) 2,2',3,4',6,6'-Hexachlorobiphenyl	0.0022	J ng/g
		(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	0.00095	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.0030	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.014	J ng/g
		(PCB 148) 2,2',3,4',5,6-Hexachlorobiphenyl	0.0042	J ng/g
		(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	0.0036	J ng/g
		(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.0033	J ng/g
		(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.0075	J ng/g
		(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	0.0036	J ng/g
PCB Congeners	055364-T2-05-13-13-FT-CRAWFISH-1(T)	(PCB 11) 3,3'-Dichlorobiphenyl	0.0091	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0028	J ng/g
		(PCB 4) 2,2'-Dichlorobiphenyl	0.0013	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.016	J ng/g
		(PCB 209) Decachlorobiphenyl	0.0051	J ng/g
		(PCB 6) 2,3'-Dichlorobiphenyl	0.0013	J ng/g
		(PCB 13) 3,4'-Dichlorobiphenyl	0.0011	J ng/g
		(PCB 12) 3,4-Dichlorobiphenyl	0.0011	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.00093	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.0079	J ng/g
		(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	0.0038	J ng/g
		(PCB 137) 2,2',3,4,4',5,5'-Octachlorobiphenyl	0.0044	J ng/g
		(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	0.0035	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.0079	J ng/g
		(PCB 35) 3,3',4-Trichlorobiphenyl	0.00050	J ng/g
		(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	0.013	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.0025	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0067	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	0.0059	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.013	J ng/g
		(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.0037	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.0067	J ng/g
		(PCB 196) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	0.0040	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0067	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.0050	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.0026	J ng/g
		(PCB 130) 2,2',3,3',4,5,5'-Hexachlorobiphenyl	0.013	J ng/g
		(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	0.0033	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0056	J ng/g
		(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	0.0051	J ng/g
		(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	0.0039	J ng/g
		(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	0.0033	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.0060	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0025	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.0023	J ng/g
		(PCB 154) 2,2',4,4',5,6-Hexachlorobiphenyl	0.0038	J ng/g
		(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	0.0016	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.016	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-05-13-13-FT-CRAWFISH-1(T)	(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.016	J ng/g
		(PCB 143) 2,2',3,4,5,6-Hexachlorobiphenyl	0.0060	J ng/g
		(PCB 173) 2,2,3,3',4,5,6-Heptachlorobiphenyl	0.0033	J ng/g
		(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	0.0030	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	0.0024	J ng/g
		(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	0.0019	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0097	J ng/g
		(PCB 191) 2,3,3',4,4',5'-Heptachlorobiphenyl	0.0016	J ng/g
		(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	0.0016	J ng/g
		(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5',6-Octachlorobiphenyl	0.0015	J ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-2(O)	(PCB 1) 2-Chlorobiphenyl	0.0040	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.032	J ng/g
		(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	0.0045	J ng/g
		(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	0.016	J ng/g
		(PCB 12) 3,4-Dichlorobiphenyl	0.0035	J ng/g
		(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	0.0063	J ng/g
		(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	0.017	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.021	J ng/g
		(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	0.0026	J ng/g
		(PCB 13) 3,4'-Dichlorobiphenyl	0.0035	J ng/g
		(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	0.019	J ng/g
		(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 140) 2,2',3,4,4',6-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 144) 2,2',3,4,5,6-Hexachlorobiphenyl	0.028	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.019	J ng/g
		(PCB 154) 2,2',4,4',5,6-Hexachlorobiphenyl	0.021	J ng/g
		(PCB 16) 2,2',3-Trichlorobiphenyl	0.011	J ng/g
		(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.0047	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.010	J ng/g
		(PCB 17) 2,2',4-Trichlorobiphenyl	0.0090	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.0090	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.027	J ng/g
		(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	0.0028	J ng/g
		(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	0.0049	J ng/g
		(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	0.0090	J ng/g
		(PCB 192) 2,3,3',4,5,5',6-Heptachlorobiphenyl	0.0034	J ng/g
		(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	0.014	J ng/g
		(PCB 2) 3-Chlorobiphenyl	0.0078	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	0.024	J ng/g
		(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	0.013	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0077	J ng/g
		(PCB 22) 2,3,4'-Trichlorobiphenyl	0.0078	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.014	J ng/g
		(PCB 3) 4-Monochlorobiphenyl	0.0092	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.027	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.066	J ng/g
		(PCB 32) 2,4',6-Trichlorobiphenyl	0.0032	J ng/g
		(PCB 33) 2',3,4-Trichlorobiphenyl	0.0077	J ng/g
		(PCB 36) 3,3',5-Trichlorobiphenyl	0.012	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.020	J ng/g
		(PCB 38) 3,4,5-Trichlorobiphenyl	0.0087	J ng/g
		(PCB 39) 3,4',5-Trichlorobiphenyl	0.0017	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0087	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0087	J ng/g
		(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	0.0043	J ng/g
		(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	0.0065	J ng/g
		(PCB 53) 2,2',5,6-Tetrachlorobiphenyl	0.0065	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	0.018	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.0077	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.0077	J ng/g
		(PCB 68) 2,3',4,5-Tetrachlorobiphenyl	0.018	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.0087	J ng/g
		(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0077	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.011	J ng/g
		(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	0.0029	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.0087	J ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-2(T)	(PCB 10) 2,6-Dichlorobiphenyl	0.0015	J ng/g
		(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	0.0020	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.0085	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.0085	J ng/g
		(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	0.0018	J ng/g
		(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	0.0084	J ng/g
		(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.010	J ng/g
		(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	0.0043	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0034	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.0021	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.00093	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.0084	J ng/g
		(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	0.0070	J ng/g
		(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	0.0028	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units	
PCB Congeners	055364-T2-052013-FT-CRAWFISH-2(T)	(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 18) 2,2',5-Trichlorobiphenyl (PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl (PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5',6,6-Octachlorobiphenyl (PCB 202) 2,2',3,3',5,5',6,6-Octachlorobiphenyl (PCB 22) 2,3,4'-Trichlorobiphenyl (PCB 25) 2,3',4-Trichlorobiphenyl (PCB 30) 2,4,6-Trichlorobiphenyl (PCB 32) 2,4',6-Trichlorobiphenyl (PCB 33) 2,3,4-Trichlorobiphenyl (PCB 37) 3,4,4'-Trichlorobiphenyl (PCB 4) 2,2'-Dichlorobiphenyl (PCB 40) 2,2',3,3'-Tetrachlorobiphenyl (PCB 41) 2,2',3,4-Tetrachlorobiphenyl (PCB 48) 2,2',4,5-Tetrachlorobiphenyl (PCB 5) 2,3-Dichlorobiphenyl (PCB 50) 2,2',4,6-Tetrachlorobiphenyl (PCB 53) 2,2',5,6-Tetrachlorobiphenyl (PCB 55) 2,3,3',4-Tetrachlorobiphenyl (PCB 56) 2,3,3',4'-Tetrachlorobiphenyl (PCB 6) 2,3'-Dichlorobiphenyl (PCB 63) 2,3,4',5-Tetrachlorobiphenyl (PCB 68) 2,3',4,5'-Tetrachlorobiphenyl (PCB 71) 2,3',4',6-Tetrachlorobiphenyl (PCB 79) 3,3',4,5'-Tetrachlorobiphenyl (PCB 84) 2,2',3,3',6-Pentachlorobiphenyl (PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl (PCB 93) 2,2',3,5,6-Pentachlorobiphenyl	0.0061 0.0050 0.0024 0.0036 0.011 0.011 0.0019 0.00087 0.0017 0.0050 0.0019 0.0018 0.0019 0.0040 0.0035 0.0035 0.0024 0.0022 0.0018 0.0022 0.0013 0.0043 0.0030 0.0020 0.0016 0.0035 0.0013 0.0038 0.0085 0.0020	J	ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-3(O)	(PCB 1) 2-Chlorobiphenyl (PCB 11) 3,3'-Dichlorobiphenyl (PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl (PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl (PCB 123) 2,3,4,4',5-Pentachlorobiphenyl (PCB 126) 3,3',4,4',5-Pentachlorobiphenyl (PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl (PCB 140) 2,2',3,4,4',6'-Hexachlorobiphenyl (PCB 15) 4,4'-Dichlorobiphenyl (PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 175) 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl (PCB 18) 2,2',5-Trichlorobiphenyl (PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 194) 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 197) 2,2',3,3',4,4',6,6-Octachlorobiphenyl (PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6-Octachlorobiphenyl (PCB 209) Decachlorobiphenyl (PCB 21) 2,3,4-Trichlorobiphenyl (PCB 22) 2,3,4'-Trichlorobiphenyl (PCB 24) 2,3,6-Trichlorobiphenyl (PCB 25) 2,3',4-Trichlorobiphenyl (PCB 26) 2,3',5-Trichlorobiphenyl (PCB 29) 2,4,5-Trichlorobiphenyl (PCB 30) 2,4,6-Trichlorobiphenyl (PCB 31) 2,4',5-Trichlorobiphenyl (PCB 33) 2,3,4-Trichlorobiphenyl (PCB 34) 2,3',5-Trichlorobiphenyl (PCB 35) 3,3',4-Trichlorobiphenyl (PCB 36) 3,3',5-Trichlorobiphenyl (PCB 37) 3,4,4'-Trichlorobiphenyl (PCB 40) 2,2',3,3'-Tetrachlorobiphenyl (PCB 41) 2,2',3,4-Tetrachlorobiphenyl (PCB 42) 2,2',3,4'-Tetrachlorobiphenyl (PCB 50) 2,2',4,6-Tetrachlorobiphenyl (PCB 53) 2,2',5,6-Tetrachlorobiphenyl (PCB 55) 2,3,3',4-Tetrachlorobiphenyl (PCB 58) 2,3,3',5-Tetrachlorobiphenyl (PCB 59) 2,3,3',6-Tetrachlorobiphenyl (PCB 60) 2,3,4,4'-Tetrachlorobiphenyl (PCB 62) 2,3,4,6-Tetrachlorobiphenyl (PCB 64) 2,3,4',6-Tetrachlorobiphenyl (PCB 67) 2,3',4,5-Tetrachlorobiphenyl (PCB 68) 2,3',4,5'-Tetrachlorobiphenyl (PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.0031 0.033 0.0033 0.0068 0.014 0.018 0.023 0.028 0.038 0.0058 0.0058 0.026 0.013 0.0048 0.0043 0.0046 0.0078 0.089 0.030 0.0039 0.0027 0.0057 0.0048 0.044 0.016 0.0046 0.0030 0.024 0.0071 0.0017 0.028 0.013 0.067 0.067 0.030 0.071 0.0071 0.0031 0.0024 0.0071 0.021 0.011 0.011 0.0062 0.0085 0.0085 0.0027 0.0025 0.0098 0.014 0.0098 0.0047 0.0025 0.014 0.011	J	ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052013-FT-CRAWFISH-3(O)	(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0098	J ng/g
		(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	0.0039	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.0055	J ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-3(T)	(PCB 107/108) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	0.0036	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.0056	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.0056	J ng/g
		(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	0.0036	J ng/g
		(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.0084	J ng/g
		(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	0.0037	J ng/g
		(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	0.0013	J ng/g
		(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	0.0048	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0070	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0048	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0020	J ng/g
		(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	0.0031	J ng/g
		(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	0.024	J ng/g
		(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	0.0055	J ng/g
		(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.0056	J ng/g
		(PCB 20) 2,3,3'-Trichlorobiphenyl	0.0099	J ng/g
		(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	0.0017	J ng/g
		(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	0.0014	J ng/g
		(PCB 28) 2,4,4'-Trichlorobiphenyl	0.0099	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.0064	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0023	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0023	J ng/g
		(PCB 49) 2,2',4,5-Tetrachlorobiphenyl	0.0086	J ng/g
		(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	0.0032	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.0022	J ng/g
		(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	0.0086	J ng/g
		(PCB 7) 2,4-Dichlorobiphenyl	0.0055	J ng/g
		(PCB 71) 2,3',4,6-Tetrachlorobiphenyl	0.0023	J ng/g
		(PCB 8) 2,4'-Dichlorobiphenyl	0.0096	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.0037	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.0056	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0033	J ng/g
		(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	0.022	J ng/g
		(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	0.052	J ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-4(O)	(PCB 1) 2-Chlorobiphenyl	0.0014	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.041	J ng/g
		(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	0.023	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.019	J ng/g
		(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	0.010	J ng/g
		(PCB 140) 2,2',3,4,4',6-Hexachlorobiphenyl	0.010	J ng/g
		(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.019	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.022	J ng/g
		(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.0078	J ng/g
		(PCB 164) 2,3,3',4,5',6-Hexachlorobiphenyl	0.075	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.0069	J ng/g
		(PCB 17) 2,2',4-Trichlorobiphenyl	0.0075	J ng/g
		(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	0.029	J ng/g
		(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	0.029	J ng/g
		(PCB 175) 2,2',3,3',4,5,6-Heptachlorobiphenyl	0.0058	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.031	J ng/g
		(PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl	0.0046	J ng/g
		(PCB 191) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.0085	J ng/g
		(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	0.025	J ng/g
		(PCB 196) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	0.026	J ng/g
		(PCB 197) 2,2',3,3',4,4',6,6-Octachlorobiphenyl	0.0049	J ng/g
		(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	0.0050	J ng/g
		(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	0.0071	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	0.050	J ng/g
		(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	0.0088	J ng/g
		(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	0.018	J ng/g
		(PCB 24) 2,3,6-Trichlorobiphenyl	0.018	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.015	J ng/g
		(PCB 27) 2,3',6-Trichlorobiphenyl	0.0029	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.031	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.025	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	0.0079	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.0070	J ng/g
		(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	0.0051	J ng/g
		(PCB 58) 2,3,3',5'-Tetrachlorobiphenyl	0.0027	J ng/g
		(PCB 71) 2,3',4,6-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	0.0012	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.014	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.025	J ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-4(T)	(PCB 1) 2-Chlorobiphenyl	0.0022	J ng/g
		(PCB 107/108) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	0.0047	J ng/g
		(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0071	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.013	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.013	J ng/g
		(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	0.0047	J ng/g
		(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	0.0086	J ng/g
		(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	0.0021	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units	
PCB Congeners	055364-T2-052013-FT-CRAWFISH-4(T)	(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 15) 4,4'-Dichlorobiphenyl (PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl (PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 183) 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl (PCB 199/201) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 20) 2,3,3'-Trichlorobiphenyl (PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 26) 2,3',5-Trichlorobiphenyl (PCB 28) 2,4,4'-Trichlorobiphenyl (PCB 29) 2,4,5-Trichlorobiphenyl (PCB 31) 2,4',5-Trichlorobiphenyl (PCB 33) 2,3,4-Trichlorobiphenyl (PCB 56) 2,3,3',4'-Tetrachlorobiphenyl (PCB 58) 2,3,3',5'-Tetrachlorobiphenyl (PCB 59) 2,3,3',6-Tetrachlorobiphenyl (PCB 60) 2,3,4,4'-Tetrachlorobiphenyl (PCB 62) 2,3,4,6-Tetrachlorobiphenyl (PCB 64) 2,3,4',6-Tetrachlorobiphenyl (PCB 72) 2,3',5,5'-Tetrachlorobiphenyl (PCB 75) 2,4,4',6-Tetrachlorobiphenyl (PCB 77) 3,3',4,4'-Tetrachlorobiphenyl (PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl (PCB 88) 2,2',3,4,6-Pentachlorobiphenyl (PCB 91) 2,2',3,4',6-Pentachlorobiphenyl (PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	0.035 0.023 0.0054 0.0077 0.0061 0.0061 0.0058 0.0027 0.0070 0.012 0.010 0.015 0.015 0.016 0.016 0.012 0.0030 0.011 0.012 0.011 0.0097 0.0021 0.0034 0.0012 0.0021 0.0018 0.0021 0.0018 0.0017 0.013 0.0072 0.0072 0.032	J	ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-5(O)	(PCB 11) 3,3'-Dichlorobiphenyl (PCB 114) 2,3,4,4',5-Pentachlorobiphenyl (PCB 116) 2,3,4,5,6-Pentachlorobiphenyl (PCB 117) 2,3,4',5,6-Pentachlorobiphenyl (PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl (PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl (PCB 126) 3,3',4,4',5-Pentachlorobiphenyl (PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl (PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl (PCB 15) 4,4'-Dichlorobiphenyl (PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl (PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl (PCB 175) 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 18) 2,2',5-Trichlorobiphenyl (PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 192) 2,3,3',4,5,5'-Heptachlorobiphenyl (PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 199/200) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 21) 2,3,4-Trichlorobiphenyl (PCB 22) 2,3,4'-Trichlorobiphenyl (PCB 30) 2,4,6-Trichlorobiphenyl (PCB 33) 2,3,4-Trichlorobiphenyl (PCB 35) 3,3',4-Trichlorobiphenyl (PCB 37) 3,4,4'-Trichlorobiphenyl (PCB 45) 2,2',3,6-Tetrachlorobiphenyl (PCB 51) 2,2',4,6'-Tetrachlorobiphenyl (PCB 55) 2,3,3',4-Tetrachlorobiphenyl (PCB 58) 2,3,3',5-Tetrachlorobiphenyl (PCB 59) 2,3,3',6-Tetrachlorobiphenyl (PCB 62) 2,3,4,6-Tetrachlorobiphenyl (PCB 75) 2,4,4',6-Tetrachlorobiphenyl (PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.033 0.021 0.17 0.17 0.024 0.0080 0.0075 0.0029 0.039 0.018 0.018 0.026 0.045 0.0040 0.035 0.035 0.0078 0.029 0.0085 0.0082 0.0032 0.0091 0.0035 0.044 0.0057 0.067 0.012 0.0096 0.0068 0.029 0.0096 0.0026 0.023 0.0037 0.0037 0.0058 0.0021 0.0074 0.0074 0.0074 0.17	J	ng/g
PCB Congeners	055364-T2-052013-FT-CRAWFISH-5(T)	(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl (PCB 107/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl (PCB 108/109) 2,3,3',4,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl (PCB 110) 2,3,3',4',6-Pentachlorobiphenyl (PCB 115) 2,3,4,4',6-Pentachlorobiphenyl (PCB 119) 2,3',4,4',6-Pentachlorobiphenyl (PCB 125) 2,3',4',5,6-Pentachlorobiphenyl (PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl (PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 144) 2,2',3,4,5,6-Hexachlorobiphenyl	0.015 0.0076 0.064 0.039 0.039 0.064 0.064 0.011 0.010 0.082 0.0078 0.0035 0.010	J	ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052013-FT-CRAWFISH-5(T)	(PCB 15) 4,4'-Dichlorobiphenyl	0.015	J ng/g
		(PCB 151) 2,2',3,5,5',6-Hexachlorobiphenyl	0.082	J ng/g
		(PCB 164) 2,3,3',4',5',6-Hexachlorobiphenyl	0.017	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.011	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0028	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.0029	J ng/g
		(PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl	0.013	J ng/g
		(PCB 183) 2,2',3,4,4',5',6-Heptachlorobiphenyl	0.018	J ng/g
		(PCB 185) 2,2',3,4,5,5'-Heptachlorobiphenyl	0.018	J ng/g
		(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	0.0063	J ng/g
		(PCB 198) 2,2',3,3',4,5,5'-Octachlorobiphenyl	0.017	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	0.017	J ng/g
		(PCB 20) 2,3,3'-Trichlorobiphenyl	0.0088	J ng/g
		(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	0.0046	J ng/g
		(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	0.0034	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0025	J ng/g
		(PCB 26) 2,3',5-Trichlorobiphenyl	0.012	J ng/g
		(PCB 28) 2,4,4'-Trichlorobiphenyl	0.0088	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.012	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.012	J ng/g
		(PCB 33) 2',3,4-Trichlorobiphenyl	0.0025	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0042	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0042	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.0016	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.0019	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.0016	J ng/g
		(PCB 68) 2,3',4,5-Tetrachlorobiphenyl	0.0015	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.0042	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0016	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.0021	J ng/g
		(PCB 86) 2,2',3,4,5-Pentachlorobiphenyl	0.064	J ng/g
		(PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl	0.064	J ng/g
		(PCB 97) 2,2',3',4,5-Pentachlorobiphenyl	0.064	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-6(O)	(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0065	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.0086	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.0086	J ng/g
		(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	0.0069	J ng/g
		(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	0.0045	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.0044	J ng/g
		(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	0.047	J ng/g
		(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.0044	J ng/g
		(PCB 144) 2,2',3,4,5,6-Hexachlorobiphenyl	0.0093	J ng/g
		(PCB 151) 2,2',3,5,5',6-Hexachlorobiphenyl	0.047	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.0057	J ng/g
		(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0039	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.0069	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0036	J ng/g
		(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	0.0056	J ng/g
		(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	0.0030	J ng/g
		(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	0.0041	J ng/g
		(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	0.0030	J ng/g
		(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	0.0052	J ng/g
		(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.0067	J ng/g
		(PCB 183) 2,2',3,4,4',5',6-Heptachlorobiphenyl	0.014	J ng/g
		(PCB 185) 2,2',3,4,5,5'-Heptachlorobiphenyl	0.014	J ng/g
		(PCB 187) 2,2',3,4',5,5',6-Heptachlorobiphenyl	0.056	J ng/g
		(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.0022	J ng/g
		(PCB 20) 2,3,3'-Trichlorobiphenyl	0.0082	J ng/g
		(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	0.0020	J ng/g
		(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	0.0029	J ng/g
		(PCB 26) 2,3',5-Trichlorobiphenyl	0.0097	J ng/g
		(PCB 28) 2,4,4'-Trichlorobiphenyl	0.0082	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.0097	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.0065	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.0029	J ng/g
		(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	0.022	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.0029	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.0086	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-6(T)	(PCB 1) 2-Chlorobiphenyl	0.0044	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.045	J ng/g
		(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	0.0079	J ng/g
		(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	0.024	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.014	J ng/g
		(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	0.0026	J ng/g
		(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	0.054	J ng/g
		(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	0.012	J ng/g
		(PCB 140) 2,2',3,4,4',6-Hexachlorobiphenyl	0.012	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.031	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.014	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.033	J ng/g
		(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	0.012	J ng/g
		(PCB 192) 2,3,3',4,5,5'-Heptachlorobiphenyl	0.0028	J ng/g
		(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	0.073	J ng/g
		(PCB 195) 2,2',3,3',4,4',5,5',6-Octachlorobiphenyl	0.032	J ng/g
		(PCB 205) 2,2',3,3',4,4',5,5',6-Octachlorobiphenyl	0.0058	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	0.040	J ng/g
		(PCB 207) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	0.0091	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

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**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052213-FT-CRAWFISH-11(T)	(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.0023	J ng/g
		(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	0.0038	J ng/g
		(PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl	0.020	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0030	J ng/g
		(PCB 151) 2,2',3,5,5',6-Hexachlorobiphenyl	0.033	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.0022	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0019	J ng/g
		(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	0.0047	J ng/g
		(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	0.021	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.0021	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.0069	J ng/g
		(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.0011	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0013	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.0014	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.0069	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.0078	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.0013	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.0025	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0031	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0031	J ng/g
		(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	0.0015	J ng/g
		(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 53) 2,2',5,6'-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	0.0032	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.0016	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.0013	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.0016	J ng/g
		(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	0.021	J ng/g
		(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	0.0014	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.0031	J ng/g
		(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0016	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.0012	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.0036	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0031	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-12(O)	(PCB 1) 2-Chlorobiphenyl	0.012	J ng/g
		(PCB 102) 2,2',4,5,6'-Pentachlorobiphenyl	0.0029	J ng/g
		(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.031	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.0053	J ng/g
		(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	0.0042	J ng/g
		(PCB 148) 2,2',3,4',5,6'-Hexachlorobiphenyl	0.0052	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.014	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.028	J ng/g
		(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	0.0030	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.0034	J ng/g
		(PCB 17) 2,2',4-Trichlorobiphenyl	0.0052	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.028	J ng/g
		(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.0039	J ng/g
		(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	0.0018	J ng/g
		(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	0.0047	J ng/g
		(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.019	J ng/g
		(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	0.019	J ng/g
		(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.011	J ng/g
		(PCB 204) 2,2',3,4,4',5,6,6'-Octachlorobiphenyl	0.0036	J ng/g
		(PCB 205) 2,3,3',4,4',5,5'-Octachlorobiphenyl	0.0024	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5'-Nonachlorobiphenyl	0.035	J ng/g
		(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	0.0062	J ng/g
		(PCB 27) 2,3,6-Trichlorobiphenyl	0.0038	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.028	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.081	J ng/g
		(PCB 32) 2,4',6-Trichlorobiphenyl	0.0045	J ng/g
		(PCB 35) 3,3',4-Trichlorobiphenyl	0.0017	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.022	J ng/g
		(PCB 39) 3,4',5-Trichlorobiphenyl	0.0018	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.0028	J ng/g
		(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	0.0035	J ng/g
		(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	0.0039	J ng/g
		(PCB 81) 3,4,4',5-Tetrachlorobiphenyl	0.0013	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.023	J ng/g
		(PCB 98) 2,2',3,4',6'-Pentachlorobiphenyl	0.0029	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-12(T)	(PCB 1) 2-Chlorobiphenyl	0.0037	J ng/g
		(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0055	J ng/g
		(PCB 12) 3,4-Dichlorobiphenyl	0.0020	J ng/g
		(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	0.0012	J ng/g
		(PCB 13) 3,4'-Dichlorobiphenyl	0.0020	J ng/g
		(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	0.0024	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.0040	J ng/g
		(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	0.0052	J ng/g
		(PCB 137) 2,2',3,4,4',5-Hexachlorobiphenyl	0.0032	J ng/g
		(PCB 14) 3,5-Dichlorobiphenyl	0.00054	J ng/g
		(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	0.033	J ng/g
		(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.0040	J ng/g
		(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	0.0052	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0028	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.0031	J ng/g

TABLE 7

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TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052213-FT-CRAWFISH-12(T)	(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0024	J ng/g
		(PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl	0.0023	J ng/g
		(PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl	0.0023	J ng/g
		(PCB 179) 2,2',3,3',5,6,6-Heptachlorobiphenyl	0.0086	J ng/g
		(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	0.018	J ng/g
		(PCB 193) 2,3,3',4',5,5'-Heptachlorobiphenyl	0.018	J ng/g
		(PCB 198) 2,2',3,3',4,5,5'-Octachlorobiphenyl	0.0055	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5',6,6-Octachlorobiphenyl	0.0055	J ng/g
		(PCB 200/201) 2,2',3,3',4,5,6,6-Octachlorobiphenyl/2,2',3,3',4,5',6,6-Octachlorobiphenyl	0.0011	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5'-Nonachlorobiphenyl	0.0033	J ng/g
		(PCB 209) Decachlorobiphenyl	0.0029	J ng/g
		(PCB 22) 2,3,4'-Trichlorobiphenyl	0.0011	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.0011	J ng/g
		(PCB 4) 2,2'-Dichlorobiphenyl	0.0031	J ng/g
		(PCB 50) 2,2',4,6-Tetrachlorobiphenyl	0.0031	J ng/g
		(PCB 53) 2,2',5,6-Tetrachlorobiphenyl	0.0031	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.00080	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.0017	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.0017	J ng/g
		(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	0.0011	J ng/g
		(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	0.026	J ng/g
		(PCB 68) 2,3',4,5'-Tetrachlorobiphenyl	0.0017	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0017	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.0012	J ng/g
		(PCB 79) 3,3',4,5-Tetrachlorobiphenyl	0.00075	J ng/g
		(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	0.0050	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0023	J ng/g
		(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	0.0050	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-13(O)	(PCB 1) 2-Chlorobiphenyl	0.014	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.036	J ng/g
		(PCB 12) 3,4-Dichlorobiphenyl	0.011	J ng/g
		(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	0.012	J ng/g
		(PCB 122) 2,3,3',4,5'-Pentachlorobiphenyl	0.0088	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.0021	J ng/g
		(PCB 13) 3,4'-Dichlorobiphenyl	0.011	J ng/g
		(PCB 133) 2,2',3,3',5,5'-Hexachlorobiphenyl	0.020	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.011	J ng/g
		(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	0.024	J ng/g
		(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.011	J ng/g
		(PCB 144) 2,2',3,4,5,6-Hexachlorobiphenyl	0.014	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.017	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.046	J ng/g
		(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.0029	J ng/g
		(PCB 16) 2,2',3-Trichlorobiphenyl	0.014	J ng/g
		(PCB 164) 2,3,3',4,5',6-Hexachlorobiphenyl	0.041	J ng/g
		(PCB 17) 2,2',4-Trichlorobiphenyl	0.011	J ng/g
		(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	0.090	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.0074	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.040	J ng/g
		(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.0050	J ng/g
		(PCB 195) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	0.017	J ng/g
		(PCB 197) 2,2',3,3',4,4',6,6-Octachlorobiphenyl	0.0041	J ng/g
		(PCB 199/200) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6-Octachlorobiphenyl	0.0026	J ng/g
		(PCB 2) 3-Chlorobiphenyl	0.0051	J ng/g
		(PCB 203) 2,2',3,4,4',5,5'-Octachlorobiphenyl	0.027	J ng/g
		(PCB 206) 2,2',3,3',4,4',5,5'-Nonachlorobiphenyl	0.031	J ng/g
		(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	0.017	J ng/g
		(PCB 209) Decachlorobiphenyl	0.024	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0032	J ng/g
		(PCB 22) 2,3,4'-Trichlorobiphenyl	0.0050	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.0088	J ng/g
		(PCB 26) 2,3,5-Trichlorobiphenyl	0.048	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.048	J ng/g
		(PCB 3) 4-Monochlorobiphenyl	0.0064	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.040	J ng/g
		(PCB 31) 2,4,5-Trichlorobiphenyl	0.073	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.0032	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.025	J ng/g
		(PCB 4) 2,2'-Dichlorobiphenyl	0.020	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.019	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.019	J ng/g
		(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	0.0083	J ng/g
		(PCB 48) 2,2',4,5-Tetrachlorobiphenyl	0.0082	J ng/g
		(PCB 5) 2,3-Dichlorobiphenyl	0.0083	J ng/g
		(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	0.020	J ng/g
		(PCB 6) 2,3,4'-Dichlorobiphenyl	0.0082	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.017	J ng/g
		(PCB 63) 2,3,4',5-Tetrachlorobiphenyl	0.014	J ng/g
		(PCB 64) 2,3,4',6-Tetrachlorobiphenyl	0.0061	J ng/g
		(PCB 7) 2,4-Dichlorobiphenyl	0.0058	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.019	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.013	J ng/g
		(PCB 79) 3,3',4,5'-Tetrachlorobiphenyl	0.0051	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	0.048	J ng/g
		(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	0.048	J ng/g

TABLE 7

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TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052213-FT-CRAWFISH-13(T)	(PCB 1) 2-Chlorobiphenyl	0.0044	J ng/g
		(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0057	J ng/g
		(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	0.031	J ng/g
		(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	0.031	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.0040	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.0040	J ng/g
		(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	0.0054	J ng/g
		(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	0.027	J ng/g
		(PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl	0.019	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0036	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.0023	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0043	J ng/g
		(PCB 16) 2,2',3-Trichlorobiphenyl	0.0082	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.0054	J ng/g
		(PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl	0.0068	J ng/g
		(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	0.0045	J ng/g
		(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	0.0087	J ng/g
		(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.0062	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.015	J ng/g
		(PCB 198) 2,2',3,3',4,5,5'-Octachlorobiphenyl	0.0083	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.0083	J ng/g
		(PCB 200/201) 2,2',3,3',4,5,6,6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.0017	J ng/g
		(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	0.0033	J ng/g
		(PCB 26) 2,3',5-Trichlorobiphenyl	0.010	J ng/g
		(PCB 27) 2,3',6-Trichlorobiphenyl	0.017	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.010	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.015	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.012	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.0026	J ng/g
		(PCB 4) 2,2'-Dichlorobiphenyl	0.0067	J ng/g
		(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	0.011	J ng/g
		(PCB 6) 2,3'-Dichlorobiphenyl	0.0066	J ng/g
		(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	0.011	J ng/g
		(PCB 7) 2,4-Dichlorobiphenyl	0.0048	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.0062	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.0040	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0030	J ng/g
		(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	0.028	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-14(O)	(PCB 1) 2-Chlorobiphenyl	0.0057	J ng/g
		(PCB 100) 2,2',4,4',6-Pentachlorobiphenyl	0.0035	J ng/g
		(PCB 102) 2,2',4,5,6-Pentachlorobiphenyl	0.0061	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.032	J ng/g
		(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	0.0045	J ng/g
		(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	0.010	J ng/g
		(PCB 12) 3,4-Dichlorobiphenyl	0.0052	J ng/g
		(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	0.013	J ng/g
		(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	0.0067	J ng/g
		(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	0.012	J ng/g
		(PCB 13) 3,4'-Dichlorobiphenyl	0.0052	J ng/g
		(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	0.046	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.015	J ng/g
		(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.015	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.017	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.023	J ng/g
		(PCB 162) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.0062	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.0026	J ng/g
		(PCB 175) 2,2',3,3',4,5',6-Heptachlorobiphenyl	0.0045	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.034	J ng/g
		(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	0.0027	J ng/g
		(PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl	0.0027	J ng/g
		(PCB 196) 2,2',3,3',4,4',5,6'-Octachlorobiphenyl	0.018	J ng/g
		(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	0.0043	J ng/g
		(PCB 205) 2,3,3',4,4',5,5',6-Octachlorobiphenyl	0.0025	J ng/g
		(PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	0.0058	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0077	J ng/g
		(PCB 22) 2,3,4'-Trichlorobiphenyl	0.0051	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.034	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.0077	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.016	J ng/g
		(PCB 4) 2,2'-Dichlorobiphenyl	0.010	J ng/g
		(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	0.0015	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.0057	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.0071	J ng/g
		(PCB 6) 2,3'-Dichlorobiphenyl	0.0094	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.017	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.0071	J ng/g
		(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	0.0035	J ng/g
		(PCB 73) 2,3',5,6-Tetrachlorobiphenyl	0.0015	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0071	J ng/g
		(PCB 8) 2,4'-Dichlorobiphenyl	0.0064	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.015	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.019	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0069	J ng/g
		(PCB 93) 2,2,3,5,6-Pentachlorobiphenyl	0.0035	J ng/g
		(PCB 98) 2,2',3,4',6-Pentachlorobiphenyl	0.0061	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-14(T)	(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	0.11	J ng/g
		(PCB 107/108) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	0.0022	J ng/g
		(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0041	J ng/g
		(PCB 108/109) 2,3,3',4,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.039	J ng/g
		(PCB 113) 2,3,3',5,6-Pentachlorobiphenyl	0.11	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052213-FT-CRAWFISH-14(T)	(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.0080	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.0080	J ng/g
		(PCB 119) 2,3',4,4',6-Pentachlorobiphenyl	0.039	J ng/g
		(PCB 12) 3,4-Dichlorobiphenyl	0.0069	J ng/g
		(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	0.0014	J ng/g
		(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	0.0022	J ng/g
		(PCB 125) 2,3',4',5,6-Pentachlorobiphenyl	0.039	J ng/g
		(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	0.0077	J ng/g
		(PCB 13) 3,4'-Dichlorobiphenyl	0.0069	J ng/g
		(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.0087	J ng/g
		(PCB 136) 2,2',3,3',6,6'-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 144) 2,2',3,4,5',6-Hexachlorobiphenyl	0.0046	J ng/g
		(PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl	0.015	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0036	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.0024	J ng/g
		(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	0.0045	J ng/g
		(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	0.0045	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0044	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.0077	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0021	J ng/g
		(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	0.0068	J ng/g
		(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.0051	J ng/g
		(PCB 183) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.0093	J ng/g
		(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	0.0093	J ng/g
		(PCB 19) 2,2',6-Trichlorobiphenyl	0.0062	J ng/g
		(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	0.0070	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.0070	J ng/g
		(PCB 20) 2,3,3'-Trichlorobiphenyl	0.0094	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0020	J ng/g
		(PCB 24) 2,3,6-Trichlorobiphenyl	0.0019	J ng/g
		(PCB 26) 2,3',5-Trichlorobiphenyl	0.0084	J ng/g
		(PCB 28) 2,4,4'-Trichlorobiphenyl	0.0094	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.0084	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.0077	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.0020	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0036	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0036	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 6) 2,3'-Dichlorobiphenyl	0.0030	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	0.013	J ng/g
		(PCB 71) 2,3',4',6-Tetrachlorobiphenyl	0.0036	J ng/g
		(PCB 72) 2,3',5,5'-Tetrachlorobiphenyl	0.0018	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.0080	J ng/g
		(PCB 86) 2,2,3,4,5-Pentachlorobiphenyl	0.039	J ng/g
		(PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl	0.039	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.0033	J ng/g
		(PCB 90) 2,2',3,4',5-Pentachlorobiphenyl	0.11	J ng/g
		(PCB 97) 2,2',3',4,5-Pentachlorobiphenyl	0.039	J ng/g
PCB Congeners	055364-T2-052213-FT-CRAWFISH-15(O)	(PCB 1) 2-Chlorobiphenyl	0.0063	J ng/g
		(PCB 103) 2,2',4,5',6-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.056	J ng/g
		(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	0.0069	J ng/g
		(PCB 114) 2,3,4,4',5-Pentachlorobiphenyl	0.013	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.16	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.16	J ng/g
		(PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	0.017	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.0036	J ng/g
		(PCB 134) 2,2',3,3',5,6-Hexachlorobiphenyl	0.0072	J ng/g
		(PCB 139) 2,2',3,4,4',6-Hexachlorobiphenyl	0.010	J ng/g
		(PCB 140) 2,2',3,4,4',6-Hexachlorobiphenyl	0.010	J ng/g
		(PCB 143) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.0072	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.061	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.059	J ng/g
		(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.0053	J ng/g
		(PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl	0.0063	J ng/g
		(PCB 172) 2,2',3,3',4,5,5'-Heptachlorobiphenyl	0.036	J ng/g
		(PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl	0.062	J ng/g
		(PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl	0.031	J ng/g
		(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.041	J ng/g
		(PCB 196) 2,2',3,3',4,4',5,6-Octachlorobiphenyl	0.026	J ng/g
		(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	0.091	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.091	J ng/g
		(PCB 202) 2,2',3,3',5,5',6,6'-Octachlorobiphenyl	0.034	J ng/g
		(PCB 208) 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	0.022	J ng/g
		(PCB 25) 2,3,4-Trichlorobiphenyl	0.0095	J ng/g
		(PCB 26) 2,3,5-Trichlorobiphenyl	0.040	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.040	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.049	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.015	J ng/g
		(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	0.0091	J ng/g
		(PCB 5) 2,3-Dichlorobiphenyl	0.043	J ng/g
		(PCB 58) 2,3,3',5-Tetrachlorobiphenyl	0.0074	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.016	J ng/g
		(PCB 77) 3,3',4,4'-Tetrachlorobiphenyl	0.014	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.012	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.16	J ng/g
		(PCB 9) 2,5-Dichlorobiphenyl	0.022	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052213-FT-CRAWFISH-15(T)	(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	0.14	J ng/g
		(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0051	J ng/g
		(PCB 110) 2,3,3',4,6-Pentachlorobiphenyl	0.027	J ng/g
		(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	0.027	J ng/g
		(PCB 116) 2,3,4,5,6-Pentachlorobiphenyl	0.0097	J ng/g
		(PCB 117) 2,3,4',5,6-Pentachlorobiphenyl	0.0097	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.0012	J ng/g
		(PCB 130) 2,2',3,3',4,5-Hexachlorobiphenyl	0.0047	J ng/g
		(PCB 132) 2,2',3,3',4,6-Hexachlorobiphenyl	0.0065	J ng/g
		(PCB 144) 2,2',3,4,5,6-Hexachlorobiphenyl	0.0061	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.0060	J ng/g
		(PCB 164) 2,3,3',4',5,6-Hexachlorobiphenyl	0.011	J ng/g
		(PCB 167) 2,3',4,4',5,5'-Hexachlorobiphenyl	0.0031	J ng/g
		(PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl	0.0093	J ng/g
		(PCB 183) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.013	J ng/g
		(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	0.013	J ng/g
		(PCB 190) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.0024	J ng/g
		(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	0.010	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5',6,6'-Octachlorobiphenyl	0.010	J ng/g
		(PCB 203) 2,2',3,4,4',5,5',6-Octachlorobiphenyl	0.0024	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.0020	J ng/g
		(PCB 26) 2,3',5-Trichlorobiphenyl	0.0081	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.0081	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.0093	J ng/g
		(PCB 32) 2,4',6-Trichlorobiphenyl	0.0068	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.0020	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.0041	J ng/g
		(PCB 40) 2,2',3,3'-Tetrachlorobiphenyl	0.0025	J ng/g
		(PCB 41) 2,2',3,4-Tetrachlorobiphenyl	0.0025	J ng/g
		(PCB 44) 2,2',3,5'-Tetrachlorobiphenyl	0.026	J ng/g
		(PCB 47) 2,2',4,4'-Tetrachlorobiphenyl	0.026	J ng/g
		(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	0.0027	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.0020	J ng/g
		(PCB 65) 2,3,5,6-Tetrachlorobiphenyl	0.026	J ng/g
		(PCB 71) 2,3',4,6-Tetrachlorobiphenyl	0.0025	J ng/g
		(PCB 84) 2,2',3,3',6-Pentachlorobiphenyl	0.0042	J ng/g
		(PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl	0.0097	J ng/g
		(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	0.027	J ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-16(H)	(PCB 1) 2-Chlorobiphenyl	0.014	J ng/g
		(PCB 103) 2,2',4,5,6-Pentachlorobiphenyl	0.14	J ng/g
		(PCB 11) 3,3'-Dichlorobiphenyl	0.30	J ng/g
		(PCB 122) 2,3,3',4',5'-Pentachlorobiphenyl	0.060	J ng/g
		(PCB 123) 2',3,4,4',5-Pentachlorobiphenyl	0.16	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.27	J ng/g
		(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	0.017	J ng/g
		(PCB 131) 2,2',3,3',4,6-Hexachlorobiphenyl	0.030	J ng/g
		(PCB 148) 2,2',3,4,5,6'-Hexachlorobiphenyl	0.074	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.23	J ng/g
		(PCB 150) 2,2',3,4',6,6'-Hexachlorobiphenyl	0.026	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.46	J ng/g
		(PCB 162) 2,3,3',4',5,5'-Hexachlorobiphenyl	0.065	J ng/g
		(PCB 165) 2,3,3',5,5'-Hexachlorobiphenyl	0.041	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.12	J ng/g
		(PCB 175) 2,2',3,3',4,5,6-Heptachlorobiphenyl	0.084	J ng/g
		(PCB 176) 2,2',3,3',4,6,6-Heptachlorobiphenyl	0.13	J ng/g
		(PCB 179) 2,2',3,3',5,6,6-Heptachlorobiphenyl	0.51	J ng/g
		(PCB 18) 2,2',5-Trichlorobiphenyl	0.17	J ng/g
		(PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.055	J ng/g
		(PCB 182) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.018	J ng/g
		(PCB 184) 2,2',3,4,4',6,6-Heptachlorobiphenyl	0.024	J ng/g
		(PCB 188) 2,2',3,4',5,6,6-Heptachlorobiphenyl	0.095	J ng/g
		(PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl	0.12	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.072	J ng/g
		(PCB 22) 2,3,4-Trichlorobiphenyl	0.047	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.043	J ng/g
		(PCB 30) 2,4,6-Trichlorobiphenyl	0.17	J ng/g
		(PCB 32) 2,4',6-Trichlorobiphenyl	0.018	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.072	J ng/g
		(PCB 35) 3,3',4-Trichlorobiphenyl	0.015	J ng/g
		(PCB 36) 3,3',5-Trichlorobiphenyl	0.0075	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.17	J ng/g
		(PCB 39) 3,4',5-Trichlorobiphenyl	0.017	J ng/g
		(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	0.059	J ng/g
		(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	0.033	J ng/g
		(PCB 45) 2,2',3,6-Tetrachlorobiphenyl	0.020	J ng/g
		(PCB 51) 2,2',4,6-Tetrachlorobiphenyl	0.020	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.033	J ng/g
		(PCB 56) 2,3,3',4'-Tetrachlorobiphenyl	0.28	J ng/g
		(PCB 58) 2,3,3',5-Tetrachlorobiphenyl	0.0093	J ng/g
		(PCB 67) 2,3',4,5-Tetrachlorobiphenyl	0.058	J ng/g
		(PCB 73) 2,3',5,6-Tetrachlorobiphenyl	0.033	J ng/g
		(PCB 79) 3,3',4,5-Tetrachlorobiphenyl	0.069	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.099	J ng/g
		(PCB 88) 2,2',3,4,6-Pentachlorobiphenyl	0.61	J ng/g
		(PCB 91) 2,2',3,4',6-Pentachlorobiphenyl	0.61	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052813-FT-CRAWFISH-16(T)	(PCB 101) 2,2',4,5,5'-Pentachlorobiphenyl	0.073	J ng/g
		(PCB 107/109) 2,3,3',4',5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0030	J ng/g
		(PCB 110) 2,3,3',4',6-Pentachlorobiphenyl	0.020	J ng/g
		(PCB 113) 2,3,3',5',6-Pentachlorobiphenyl	0.073	J ng/g
		(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	0.020	J ng/g
		(PCB 118) 2,3',4,4',5-Pentachlorobiphenyl	0.034	J ng/g
		(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	0.0068	J ng/g
		(PCB 141) 2,2',3,4,5,5'-Hexachlorobiphenyl	0.012	J ng/g
		(PCB 146) 2,2',3,4',5,5'-Hexachlorobiphenyl	0.012	J ng/g
		(PCB 147) 2,2',3,4',5,6-Hexachlorobiphenyl	0.037	J ng/g
		(PCB 149) 2,2',3,4',5,6-Hexachlorobiphenyl	0.037	J ng/g
		(PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl	0.012	J ng/g
		(PCB 193) 2,3,3',4',5,5',6-Heptachlorobiphenyl	0.012	J ng/g
		(PCB 20) 2,3,3'-Trichlorobiphenyl	0.0084	J ng/g
		(PCB 26) 2,3',5-Trichlorobiphenyl	0.0059	J ng/g
		(PCB 28) 2,4,4'-Trichlorobiphenyl	0.0084	J ng/g
		(PCB 29) 2,4,5-Trichlorobiphenyl	0.0059	J ng/g
		(PCB 31) 2,4',5-Trichlorobiphenyl	0.0049	J ng/g
		(PCB 49) 2,2',4,5'-Tetrachlorobiphenyl	0.0064	J ng/g
		(PCB 66) 2,3',4,4'-Tetrachlorobiphenyl	0.015	J ng/g
		(PCB 69) 2,3',4,6-Tetrachlorobiphenyl	0.0064	J ng/g
		(PCB 83) 2,2',3,3',5-Pentachlorobiphenyl	0.027	J ng/g
		(PCB 90) 2,2',3,4',5-Pentachlorobiphenyl	0.073	J ng/g
		(PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl	0.013	J ng/g
		(PCB 95) 2,2',3,5',6-Pentachlorobiphenyl	0.039	J ng/g
		(PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	0.027	J ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-17(H)	(PCB 11) 3,3'-Dichlorobiphenyl	0.34	J ng/g
		(PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl	0.057	J ng/g
		(PCB 123) 2,3,4,4',5-Pentachlorobiphenyl	0.16	J ng/g
		(PCB 126) 3,3',4,4',5-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl	0.011	J ng/g
		(PCB 15) 4,4'-Dichlorobiphenyl	0.24	J ng/g
		(PCB 154) 2,2',4,4',5,6'-Hexachlorobiphenyl	0.60	J ng/g
		(PCB 155) 2,2',4,4',6,6'-Hexachlorobiphenyl	0.039	J ng/g
		(PCB 159) 2,3,3',4,5,5'-Hexachlorobiphenyl	0.070	J ng/g
		(PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl	0.037	J ng/g
		(PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl	0.18	J ng/g
		(PCB 175) 2,2',3,3',4,5',6-Heptachlorobiphenyl	0.10	J ng/g
		(PCB 176) 2,2',3,3',4,6,6'-Heptachlorobiphenyl	0.14	J ng/g
		(PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl	0.047	J ng/g
		(PCB 188) 2,2',3,4',5,6,6'-Heptachlorobiphenyl	0.12	J ng/g
		(PCB 189) 2,3,3',4,4',5,5'-Heptachlorobiphenyl	0.064	J ng/g
		(PCB 191) 2,3,3',4,4',5',6-Heptachlorobiphenyl	0.077	J ng/g
		(PCB 194) 2,2',3,3',4,4',5,5'-Octachlorobiphenyl	0.69	J ng/g
		(PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl	0.099	J ng/g
		(PCB 21) 2,3,4-Trichlorobiphenyl	0.064	J ng/g
		(PCB 22) 2,3,4'-Trichlorobiphenyl	0.051	J ng/g
		(PCB 25) 2,3',4-Trichlorobiphenyl	0.042	J ng/g
		(PCB 33) 2,3,4-Trichlorobiphenyl	0.064	J ng/g
		(PCB 35) 3,3',4-Trichlorobiphenyl	0.017	J ng/g
		(PCB 37) 3,4,4'-Trichlorobiphenyl	0.17	J ng/g
		(PCB 38) 3,4,5-Trichlorobiphenyl	0.014	J ng/g
		(PCB 39) 3,4',5-Trichlorobiphenyl	0.018	J ng/g
		(PCB 42) 2,2',3,4'-Tetrachlorobiphenyl	0.052	J ng/g
		(PCB 43) 2,2',3,5-Tetrachlorobiphenyl	0.035	J ng/g
		(PCB 55) 2,3,3',4-Tetrachlorobiphenyl	0.030	J ng/g
		(PCB 57) 2,3,3',5-Tetrachlorobiphenyl	0.034	J ng/g
		(PCB 58) 2,3,3',6-Tetrachlorobiphenyl	0.024	J ng/g
		(PCB 59) 2,3,3',6-Tetrachlorobiphenyl	0.15	J ng/g
		(PCB 60) 2,3,4,4'-Tetrachlorobiphenyl	0.29	J ng/g
		(PCB 62) 2,3,4,6-Tetrachlorobiphenyl	0.15	J ng/g
		(PCB 73) 2,3',5,6-Tetrachlorobiphenyl	0.035	J ng/g
		(PCB 75) 2,4,4',6-Tetrachlorobiphenyl	0.15	J ng/g
		(PCB 79) 3,3',4,5-Tetrachlorobiphenyl	0.062	J ng/g
		(PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.068	J ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-17(T)	(PCB 1) 2-Chlorobiphenyl	0.0054	J ng/g
		(PCB 105) 2,3,3',4,4'-Pentachlorobiphenyl	0.0098	J ng/g
		(PCB 107/108) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,5'-Pentachlorobiphenyl	0.0028	J ng/g
		(PCB 107/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl	0.0036	J ng/g
		(PCB 110) 2,3,3',4,6-Pentachlorobiphenyl	0.017	J ng/g
		(PCB 115) 2,3,4,4',6-Pentachlorobiphenyl	0.017	J ng/g
		(PCB 124) 2,3',4',5,5'-Pentachlorobiphenyl	0.0028	J ng/g
		(PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl	0.0066	J ng/g
		(PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl	0.0032	J ng/g
		(PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl	0.0073	J ng/g
		(PCB 135) 2,2',3,3',5,6'-Hexachlorobiphenyl	0.026	J ng/g
		(PCB 146) 2,2',3,4,5,5'-Hexachlorobiphenyl	0.017	J ng/g
		(PCB 151) 2,2',3,5,5',6-Hexachlorobiphenyl	0.026	J ng/g
		(PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl	0.0047	J ng/g
		(PCB 157) 2,3,3',4,4',5'-Hexachlorobiphenyl	0.0047	J ng/g
		(PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl	0.0049	J ng/g
		(PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl	0.0066	J ng/g
		(PCB 174) 2,2',3,3',4,5,6'-Heptachlorobiphenyl	0.017	J ng/g
		(PCB 183) 2,2',3,4,4',5,6-Heptachlorobiphenyl	0.0073	J ng/g
		(PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl	0.0073	J ng/g
		(PCB 198) 2,2',3,3',4,5,5',6-Octachlorobiphenyl	0.0064	J ng/g
		(PCB 199/201) 2,2',3,3',4,5,5',6-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl	0.0064	J ng/g
		(PCB 20) 2,3,3'-Trichlorobiphenyl	0.0089	J ng/g

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING IDENTIFICATION CRITERIA
TIER II REMEDIAL INVESTIGATION - CRAWFISH SAMPLING
DEVIL'S SWAMP LAKE SITE
EAST BATON ROUGE PARISH, LOUISIANA
MAY 2013**

Parameter	Sample ID	Analytes	Sample Results	Units
PCB Congeners	055364-T2-052813-FT-CRAWFISH-17(T)	(PCB 28) 2,4,4'-Trichlorobiphenyl (PCB 31) 2,4',5-Trichlorobiphenyl (PCB 83) 2,2',3,3',5-Pentachlorobiphenyl (PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl (PCB 99) 2,2',4,4',5-Pentachlorobiphenyl	0.0089 0.0060 0.033 0.016 0.033	J ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-18(H)	(PCB 11) 3,3'-Dichlorobiphenyl (PCB 111) 2,3,3',5,5'-Pentachlorobiphenyl (PCB 120) 2,3',4,5,5'-Pentachlorobiphenyl (PCB 126) 3,3',4,4',5-Pentachlorobiphenyl (PCB 127) 3,3',4,5,5'-Pentachlorobiphenyl (PCB 148) 2,2',3,4',5,6-Hexachlorobiphenyl (PCB 15) 4,4'-Dichlorobiphenyl (PCB 165) 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 169) 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 171) 2,2',3,3',4,4',6-Heptachlorobiphenyl (PCB 173) 2,2',3,3',4,5,6-Heptachlorobiphenyl (PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 18) 2,2',5-Trichlorobiphenyl (PCB 181) 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 182) 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 184) 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 191) 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 197) 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 199/200) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl/2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 207) 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 21) 2,3,4-Trichlorobiphenyl (PCB 25) 2,3',4-Trichlorobiphenyl (PCB 30) 2,4,6-Trichlorobiphenyl (PCB 32) 2,4',6-Trichlorobiphenyl (PCB 33) 2,3,4-Trichlorobiphenyl (PCB 36) 3,3',5-Trichlorobiphenyl (PCB 42) 2,2',3,4'-Tetrachlorobiphenyl (PCB 50) 2,2',4,6-Tetrachlorobiphenyl (PCB 53) 2,2',5,6'-Tetrachlorobiphenyl (PCB 55) 2,3,3',4-Tetrachlorobiphenyl (PCB 57) 2,3,3',5-Tetrachlorobiphenyl (PCB 58) 2,3,3',5-Tetrachlorobiphenyl (PCB 81) 3,4,4',5-Tetrachlorobiphenyl (PCB 82) 2,2',3,3',4-Pentachlorobiphenyl	0.32 0.074 0.20 0.086 0.027 0.067 0.22 0.033 0.055 0.36 0.36 0.45 0.19 0.072 0.012 0.028 0.12 0.076 0.045 0.088 0.065 0.057 0.19 0.023 0.065 0.012 0.041 0.084 0.084 0.046 0.033 0.018 0.010 0.073	J ng/g
PCB Congeners	055364-T2-052813-FT-CRAWFISH-18(T)	(PCB 107/109) 2,3,3',4,5-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl (PCB 108/109) 2,3,3',4,5'-Pentachlorobiphenyl/2,3,3',4,6-Pentachlorobiphenyl (PCB 116) 2,3,4,5,6-Pentachlorobiphenyl (PCB 117) 2,3,4',5,6-Pentachlorobiphenyl (PCB 118) 2,3',4,4',5-Pentachlorobiphenyl (PCB 119) 2,3',4,4',6-Pentachlorobiphenyl (PCB 123) 2',3,4,4',5-Pentachlorobiphenyl (PCB 125) 2,3',4',5,6-Pentachlorobiphenyl (PCB 128) 2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 129) 2,2',3,3',4,5-Hexachlorobiphenyl (PCB 130) 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 132) 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 138) 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 15) 4,4'-Dichlorobiphenyl (PCB 154) 2,2',4,4',5,6-Hexachlorobiphenyl (PCB 156) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 157) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 158) 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 160) 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 163) 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 164) 2,3,3',4',5,6-Hexachlorobiphenyl (PCB 166) 2,3,4,4',5,6-Hexachlorobiphenyl (PCB 170) 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 174) 2,2',3,3',4,5,6-Heptachlorobiphenyl (PCB 177) 2,2',3,3',4',5,6-Heptachlorobiphenyl (PCB 178) 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 179) 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 180) 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 183) 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 185) 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 193) 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 20) 2,3,3'-Trichlorobiphenyl (PCB 28) 2,4,4'-Trichlorobiphenyl (PCB 31) 2,4',5-Trichlorobiphenyl (PCB 37) 3,4,4'-Trichlorobiphenyl (PCB 4) 2,2'-Dichlorobiphenyl (PCB 49) 2,2',4,5'-Tetrachlorobiphenyl (PCB 64) 2,3,4',6-Tetrachlorobiphenyl (PCB 69) 2,3,4,6-Tetrachlorobiphenyl (PCB 85) 2,2',3,4,4'-Pentachlorobiphenyl (PCB 86) 2,2',3,4,5-Pentachlorobiphenyl (PCB 87) 2,2',3,4,5'-Pentachlorobiphenyl (PCB 88) 2,2',3,4,6-Pentachlorobiphenyl (PCB 91) 2,2',3,4',6-Pentachlorobiphenyl (PCB 92) 2,2',3,5,5'-Pentachlorobiphenyl (PCB 97) 2,2',3',4,5-Pentachlorobiphenyl	0.0042 0.025 0.0042 0.0042 0.045 0.025 0.0014 0.025 0.0055 0.062 0.0032 0.0058 0.062 0.0033 0.0035 0.0041 0.0041 0.0053 0.062 0.062 0.0067 0.0055 0.0038 0.015 0.0043 0.0035 0.0049 0.014 0.0081 0.0081 0.014 0.011 0.011 0.0078 0.0021 0.0030 0.0073 0.0014 0.0073 0.0042 0.025 0.025 0.0032 0.0032 0.017 0.025	J ng/g

Notes:

PCB = Polychlorinated Biphenyl

J = Estimated Concentration

ATTACHMENT A

ANALYTICAL LABORATORY REPORTS
(on CD)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-21227-1

Client Project/Site: 0055364, Devils Swamp

Revision: 1

For:

Conestoga-Rovers & Associates, Inc.

9033 Meridian Way

West Chester, Ohio 45069

Attn: Deborah Brennan



Authorized for release by:

7/19/2013 6:11:17 PM

Jill Colussy, Project Manager I

jill.colussy@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Job ID: 180-21227-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 0055364, Devils Swamp

Report Number: 180-21227-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below

RECEIPT

The samples were received on 05/15/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.5C.

SEMOVATILE ORGANIC COMPOUNDS (GC-MS)

Due to technician error, the wrong initial amount of sample was extracted. The RL's and MDL's have been adjusted accordingly. The actual RL's are lower than what we normally report for 8270 tissues by a factor of 1.7.

Sample 055364-T2-05-13-13-FT-CRAYFISH-1(T) (180-21227-1)[5X] was analyzed at a dilution due to matrix. The reporting limits have been adjusted accordingly.

METALS

Lead was detected in method blank LB 180-72543/3-F at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Arsenic was detected in method blank MB 180-75345/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

GENERAL CHEMISTRY

No difficulties were encountered during the analyses.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.

TestAmerica Job ID: 180-21227-1

Project/Site: 0055364, Devils Swamp

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13 *
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14
Illinois	NELAP	5	002602	06-30-13 *
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-16-16
Louisiana	NELAP	6	04041	06-30-13 *
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-14
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13 *

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pittsburgh

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Tissue	05/13/13 12:10	05/15/13 14:12
180-21227-2	055364-T2-05-13-13-FT-CRAYFISH-1(O)	Tissue	05/13/13 12:00	05/15/13 14:12

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TestAmerica Pittsburgh

Method Summary

Client: Conestoga-Rovers & Associates, Inc.

Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL PIT
6020	Metals (ICP/MS)	SW846	TAL PIT
7471A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
Lipids	Percent Lipids	TestAmerica SOP	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Lab Sample ID: 180-21227-1

Date Collected: 05/13/13 12:10

Matrix: Tissue

Date Received: 05/15/13 14:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72540	05/21/13 14:17	LEM	TAL PIT
Total/NA	Cleanup	In House					72543	05/21/13 14:25	LEM	TAL PIT
Total/NA	Prep	3541			25.1 g	10.0 mL	73274	05/30/13 03:45	KLG	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	0.5 mL	73281	05/30/13 07:13	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			73988	06/05/13 13:08	CA1	TAL PIT
		Instrument ID: 732								
Total/NA	Cleanup	Frozen Storage					72540	05/21/13 14:17	LEM	TAL PIT
Total/NA	Cleanup	In House					72543	05/21/13 14:25	LEM	TAL PIT
Total/NA	Prep	7471A			00000.61 g	100 mL	73267	05/30/13 04:25	WAH	TAL PIT
Total/NA	Analysis	7471A		1			73312	05/30/13 10:24	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage					72540	05/21/13 14:17	LEM	TAL PIT
Total/NA	Cleanup	In House					72543	05/21/13 14:25	LEM	TAL PIT
Total/NA	Prep	3050B			00001.02 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75552	06/22/13 17:39	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Analysis	2540G		1			72570	05/21/13 18:18	RDH	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Cleanup	Frozen Storage					72540	05/21/13 14:17	LEM	TAL PIT
Total/NA	Cleanup	In House					72543	05/21/13 14:25	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Lab Sample ID: 180-21227-2

Date Collected: 05/13/13 12:00

Matrix: Tissue

Date Received: 05/15/13 14:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			72570	05/21/13 18:20	RDH	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Cleanup	Frozen Storage					72540	05/21/13 14:17	LEM	TAL PIT
Total/NA	Cleanup	In House					72543	05/21/13 14:25	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup
BAP = Brian Pino

LEM = Lauren McGrath

Batch Type: Prep
CEH = Caitlyn Haluck
KLG = Kevin Geehring
WAH = William Hoyle

Batch Type: Analysis
CA1 = Craig Addison
JWM = Jeremiah McLaughlin
RDH = Rachael Hartmann
WAH = William Hoyle
WTR = Bill Reinheimer

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Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Lab Sample ID: 180-21227-1

Matrix: Tissue

Date Collected: 05/13/13 12:10

Date Received: 05/15/13 14:12

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		40	4.2	ug/Kg		05/30/13 03:45	06/05/13 13:08	5
Hexachlorobutadiene	ND		40	4.5	ug/Kg		05/30/13 03:45	06/05/13 13:08	5
Surrogate									
2,4,6-Tribromophenol	43		21 - 116				05/30/13 03:45	06/05/13 13:08	5
2-Fluorobiphenyl	52		28 - 108				05/30/13 03:45	06/05/13 13:08	5
2-Fluorophenol	54		28 - 107				05/30/13 03:45	06/05/13 13:08	5
Nitrobenzene-d5	52		27 - 110				05/30/13 03:45	06/05/13 13:08	5
Phenol-d5	63		30 - 112				05/30/13 03:45	06/05/13 13:08	5
Terphenyl-d14	63		21 - 130				05/30/13 03:45	06/05/13 13:08	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081	J B	0.098	0.018	mg/Kg		06/20/13 10:35	06/22/13 17:39	1
Lead	0.037	J B	0.098	0.0037	mg/Kg		06/20/13 10:35	06/22/13 17:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	J	0.032	0.011	mg/Kg		05/30/13 04:25	05/30/13 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			05/21/13 18:18	1
Percent Lipids	0.066	J	0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Lab Sample ID: 180-21227-2

Matrix: Tissue

Date Collected: 05/13/13 12:00

Date Received: 05/15/13 14:12

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	75		0.10	0.10	%			05/21/13 18:20	1
Percent Lipids	1.0		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: LB 180-72543/3-E LB

Matrix: Tissue

Analysis Batch: 73785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73274

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	ND		8.0	0.85	ug/Kg		05/30/13 03:45	06/04/13 12:01	1
Hexachlorobutadiene	ND		8.0	0.90	ug/Kg		05/30/13 03:45	06/04/13 12:01	1
Surrogate									
2,4,6-Tribromophenol	54		21 - 116				05/30/13 03:45	06/04/13 12:01	1
2-Fluorobiphenyl	36		28 - 108				05/30/13 03:45	06/04/13 12:01	1
2-Fluorophenol	55		28 - 107				05/30/13 03:45	06/04/13 12:01	1
Nitrobenzene-d5	42		27 - 110				05/30/13 03:45	06/04/13 12:01	1
Phenol-d5	68		30 - 112				05/30/13 03:45	06/04/13 12:01	1
Terphenyl-d14	61		21 - 130				05/30/13 03:45	06/04/13 12:01	1

Lab Sample ID: MB 180-73274/1-B

Matrix: Tissue

Analysis Batch: 73785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73274

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	ND		8.0	0.85	ug/Kg		05/30/13 03:45	06/04/13 10:37	1
Hexachlorobutadiene	ND		8.0	0.90	ug/Kg		05/30/13 03:45	06/04/13 10:37	1
Surrogate									
2,4,6-Tribromophenol	64		21 - 116				05/30/13 03:45	06/04/13 10:37	1
2-Fluorobiphenyl	58		28 - 108				05/30/13 03:45	06/04/13 10:37	1
2-Fluorophenol	67		28 - 107				05/30/13 03:45	06/04/13 10:37	1
Nitrobenzene-d5	67		27 - 110				05/30/13 03:45	06/04/13 10:37	1
Phenol-d5	75		30 - 112				05/30/13 03:45	06/04/13 10:37	1
Terphenyl-d14	65		21 - 130				05/30/13 03:45	06/04/13 10:37	1

Lab Sample ID: LCS 180-73274/2-B

Matrix: Tissue

Analysis Batch: 73785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73274

Analyte	Spike		Result	LCS	LCS	D	%Rec	Limits
	Added	Qualifier						
Hexachlorobenzene	400		233		ug/Kg		58	42 - 110
Hexachlorobutadiene	400		222		ug/Kg		55	40 - 114
Surrogate								
2,4,6-Tribromophenol	67		21 - 116					
2-Fluorobiphenyl	57		28 - 108					
2-Fluorophenol	66		28 - 107					
Nitrobenzene-d5	65		27 - 110					
Phenol-d5	73		30 - 112					
Terphenyl-d14	63		21 - 130					

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCSD 180-73274/3-B				Client Sample ID: Lab Control Sample Dup						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 73785				Prep Batch: 73274						
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit
Hexachlorobenzene	400	229		ug/Kg	57		42 - 110	2	29	
Hexachlorobutadiene	400	214		ug/Kg	54		40 - 114	3	25	
Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits							
2,4,6-Tribromophenol	65		21 - 116							
2-Fluorobiphenyl	55		28 - 108							
2-Fluorophenol	64		28 - 107							
Nitrobenzene-d5	62		27 - 110							
Phenol-d5	69		30 - 112							
Terphenyl-d14	57		21 - 130							

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: LB 180-72543/3-F LB				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	ND		0.10	0.018	mg/Kg		06/20/13 10:35	06/22/13 16:59	1	
Lead	0.00798	J	0.10	0.0038	mg/Kg		06/20/13 10:35	06/22/13 16:59	1	

Lab Sample ID: MB 180-75345/1-A				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	0.0172	J	0.089	0.016	mg/Kg		06/20/13 10:35	06/22/13 17:26	1	
Lead	ND		0.089	0.0034	mg/Kg		06/20/13 10:35	06/22/13 17:26	1	

Lab Sample ID: LCS 180-75345/2-A				Client Sample ID: Lab Control Sample						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits			
Arsenic	3.96	3.45		mg/Kg	87		80 - 120			
Lead	1.98	1.95		mg/Kg	99		80 - 120			

Method: 7471A - Mercury (CVAA)

Lab Sample ID: LB 180-72543/3-B LB				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 73312				Prep Batch: 73267						
Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Mercury	ND		0.032	0.011	mg/Kg		05/30/13 04:25	05/30/13 10:22	1	

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 180-73267/1-A

Matrix: Tissue

Analysis Batch: 73312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		05/30/13 04:25	05/30/13 10:14	1

Lab Sample ID: LCS 180-73267/2-A

Matrix: Tissue

Analysis Batch: 73312

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	0.417	0.403		mg/Kg		97	80 - 120

Lab Sample ID: 180-21227-1 MS

Matrix: Tissue

Analysis Batch: 73312

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Prep Type: Total/NA

Prep Batch: 73267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	0.020	J	0.156	0.161		mg/Kg		90	75 - 125

Lab Sample ID: 180-21227-1 MSD

Matrix: Tissue

Analysis Batch: 73312

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Prep Type: Total/NA

Prep Batch: 73267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD	Limit
Mercury	0.020	J	0.164	0.162		mg/Kg		86	75 - 125	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-21227-1 DU

Client Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Prep Type: Total/NA

Analysis Batch: 72570

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD	Limit
Percent Moisture	81		81		%		0.2		20

Method: Lipids - Percent Lipids

Lab Sample ID: LB 180-72543/3-D LB

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Tissue

Prep Batch: 73275

Analysis Batch: 73674

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	ND		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Lab Sample ID: MB 180-73275/1-A

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Tissue

Prep Batch: 73275

Analysis Batch: 73674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	ND		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Method: Lipids - Percent Lipids (Continued)

Lab Sample ID: LCS 180-73275/2-A

Matrix: Tissue

Analysis Batch: 73674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Percent Lipids	9.09	6.67		%		73	30 - 150	

Lab Sample ID: LCSD 180-73275/3-A

Matrix: Tissue

Analysis Batch: 73674

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
Percent Lipids	9.09	7.36		%		81	30 - 150	10	10	25

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

GC/MS Semi VOA

Cleanup Batch: 72540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 72543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	In House	72540
LB 180-72543/3-E LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 73274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	3541	72543
LB 180-72543/3-E LB	Method Blank	Total/NA	Tissue	3541	72543
LCS 180-73274/2-B	Lab Control Sample	Total/NA	Tissue	3541	
LCSD 180-73274/3-B	Lab Control Sample Dup	Total/NA	Tissue	3541	
MB 180-73274/1-B	Method Blank	Total/NA	Tissue	3541	

Cleanup Batch: 73281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	3640A	73274
LB 180-72543/3-E LB	Method Blank	Total/NA	Tissue	3640A	73274
LCS 180-73274/2-B	Lab Control Sample	Total/NA	Tissue	3640A	73274
LCSD 180-73274/3-B	Lab Control Sample Dup	Total/NA	Tissue	3640A	73274
MB 180-73274/1-B	Method Blank	Total/NA	Tissue	3640A	73274

Analysis Batch: 73785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-72543/3-E LB	Method Blank	Total/NA	Tissue	8270C LL	73281
LCS 180-73274/2-B	Lab Control Sample	Total/NA	Tissue	8270C LL	73281
LCSD 180-73274/3-B	Lab Control Sample Dup	Total/NA	Tissue	8270C LL	73281
MB 180-73274/1-B	Method Blank	Total/NA	Tissue	8270C LL	73281

Analysis Batch: 73988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	8270C LL	73281

Metals

Cleanup Batch: 72540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	Frozen Storage	
180-21227-1 MS	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	Frozen Storage	
180-21227-1 MSD	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 72543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	In House	72540
180-21227-1 MS	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	In House	72540
180-21227-1 MSD	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	In House	72540
LB 180-72543/3-B LB	Method Blank	Total/NA	Tissue	In House	
LB 180-72543/3-F LB	Method Blank	Total/NA	Tissue	In House	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

Metals (Continued)

Prep Batch: 73267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	7471A	72543
180-21227-1 MS	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	7471A	72543
180-21227-1 MSD	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	7471A	72543
LB 180-72543/3-B LB	Method Blank	Total/NA	Tissue	7471A	72543
LCS 180-73267/2-A	Lab Control Sample	Total/NA	Tissue	7471A	
MB 180-73267/1-A	Method Blank	Total/NA	Tissue	7471A	

Analysis Batch: 73312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	7471A	73267
180-21227-1 MS	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	7471A	73267
180-21227-1 MSD	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	7471A	73267
LB 180-72543/3-B LB	Method Blank	Total/NA	Tissue	7471A	73267
LCS 180-73267/2-A	Lab Control Sample	Total/NA	Tissue	7471A	73267
MB 180-73267/1-A	Method Blank	Total/NA	Tissue	7471A	73267

Prep Batch: 75345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	3050B	72543
LB 180-72543/3-F LB	Method Blank	Total/NA	Tissue	3050B	72543
LCS 180-75345/2-A	Lab Control Sample	Total/NA	Tissue	3050B	
MB 180-75345/1-A	Method Blank	Total/NA	Tissue	3050B	

Analysis Batch: 75552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	6020	75345
LB 180-72543/3-F LB	Method Blank	Total/NA	Tissue	6020	75345
LCS 180-75345/2-A	Lab Control Sample	Total/NA	Tissue	6020	75345
MB 180-75345/1-A	Method Blank	Total/NA	Tissue	6020	75345

General Chemistry

Cleanup Batch: 72540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	Frozen Storage	
180-21227-2	055364-T2-05-13-13-FT-CRAYFISH-1(O)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 72543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	In House	72540
180-21227-2	055364-T2-05-13-13-FT-CRAYFISH-1(O)	Total/NA	Tissue	In House	72540
LB 180-72543/3-D LB	Method Blank	Total/NA	Tissue	In House	

Analysis Batch: 72570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	2540G	
180-21227-1 DU	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	2540G	
180-21227-2	055364-T2-05-13-13-FT-CRAYFISH-1(O)	Total/NA	Tissue	2540G	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21227-1

General Chemistry (Continued)

Prep Batch: 73275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	3541	72543
180-21227-2	055364-T2-05-13-13-FT-CRAYFISH-1(O)	Total/NA	Tissue	3541	72543
LB 180-72543/3-D LB	Method Blank	Total/NA	Tissue	3541	72543
LCS 180-73275/2-A	Lab Control Sample	Total/NA	Tissue	3541	73275
LCSD 180-73275/3-A	Lab Control Sample Dup	Total/NA	Tissue	3541	73275
MB 180-73275/1-A	Method Blank	Total/NA	Tissue	3541	73275

Analysis Batch: 73674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21227-1	055364-T2-05-13-13-FT-CRAYFISH-1(T)	Total/NA	Tissue	Lipids	73275
180-21227-2	055364-T2-05-13-13-FT-CRAYFISH-1(O)	Total/NA	Tissue	Lipids	73275
LB 180-72543/3-D LB	Method Blank	Total/NA	Tissue	Lipids	73275
LCS 180-73275/2-A	Lab Control Sample	Total/NA	Tissue	Lipids	73275
LCSD 180-73275/3-A	Lab Control Sample Dup	Total/NA	Tissue	Lipids	73275
MB 180-73275/1-A	Method Blank	Total/NA	Tissue	Lipids	73275

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TestAmerica

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TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 180-21227-1

Devil's Swamp

Lot #: H3E230405

Jill Colussy

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

TESTAMERICA LABORATORIES, INC.


Bruce Wagner
Project Manager

June 14, 2013

ANALYTICAL METHODS SUMMARY

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<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs, HRGC/HRMS	EPA-22 1668A

References:

EPA-22 "METHOD 1668, REVISION A: CHLORINATED BIPHENYL CONGENERS IN WATER, SOIL, SEDIMENT, AND TISSUE BY HRGC/HRMS"
EPA-821-R-00-002 12/99

SAMPLE SUMMARY

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<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
MOXFM	001	055364-T2-05-13-13-FT-CRAYFISH-1 (T)	05/13/13	12:10
MOXFN	002	055364-T2-05-13-13-FT-CRAYFISH-1 (O)	05/13/13	12:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

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The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

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The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

Nomenclature – The standardization strategy described in this report uses the naming convention of SW-846 Method 8290. This convention differs from Method 1668 in the following manner:

Standard Addition Occurs Prior to:	Method 1668	SW-846 Conventions Used in this Report
Sampling	None	Sampling Surrogate
Extraction	Labeled Toxics/LOC/Window Defining	Internal Standard
Cleanups	Labeled Cleanup Standard	Cleanup Standard*
Injection	Labeled Injection Internal Standard	Recovery Standard

* Cleanup Standard is also referred to as Surrogate Standard on report.

The shorthand notation used for congeners in this report is summarized in Table 2.

Qualifiers – The following flags are used to qualify results for HRMS PCB results:

J – The reported result is an estimate. The amount reported is below the Estimated Minimum Level (EML). EML is defined by the method as the lowest concentration at which an analyte can be measured reliably with common laboratory interferences present. This value has been determined for each congener by MDL and laboratory method blank studies. The value is adjusted to reflect sample specific initial and final volumes.

E – The reported result is an estimate. The amount reported is above the UCL described below.

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The E qualifier is applied on the basis of the **Upper Calibration Level (UCL)**. The quantitative definition of the UCL is listed below:

Upper Calibration Level: The concentration or mass of analyte in the sample that corresponds to the highest calibration level in the initial calibration. It is equivalent to the concentration of the highest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

B – The analyte is present in the associated method blank at a reportable level. For this analysis, there is no method specified reporting level, other than the qualitative criterion that peaks must exhibit a signal-to-noise ratio of 2.5-to-1. Therefore, the presence of any amount of the analyte present in the blank will result a B qualifier on all associated samples.

Note: Some laboratories do not report contamination in the blank unless it is above their lower calibration limit, or an established percentage of the level in the samples, or an established percentage of the regulatory limit. Likewise, some laboratories set a reporting limit at one half the lower calibration limit.

Q – Estimated maximum possible concentration. This qualifier is used when the result is generated from chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method. The criteria include the following areas:

- Ion abundance ratios must be within specified limits (+/-15% of theoretical ion abundance ratio.)
- Retention time criteria (relative to the method-specified isotope labeled retention time standard).
- Co-maximization criterion. The two quantitation ion peaks must reach their maxima within 2 seconds of each other.

S – Ion suppression evident. The trace indicating the signal from the lock mass of the calibration compound shows a deflection at the retention time of the analyte. This may indicate a temporary suppression of the instrument sensitivity, due to a matrix-borne interference.

C – Coeluting Isomer. The isomer is known to coelute with another member of its homologue group, or the peak shape is shouldered, indicating the likelihood of a coeluting isomer. When the C flag is followed by a number, the number indicates the lowest numbered congener among the coelution set. For example, if 100 pg/L is detected at the retention time of PCB 156, and PCB 157 is known to coelute with PCB 156, the results will be flagged as follows:

PCB 156 100 pg/L C

PCB 157 100 pg/L C156

In certain electronic deliverables the result field for PCB 157 will be null, with "C156" appearing in the qualifier field in accordance with the CARP EDD specification.

X – Other. See explanation in narrative.

Results – The results for the analyses are summarized in the following pages. Please see comments regarding qualifiers, above. Additional information regarding qualifiers is explained

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in the legends at the end of each result summary. A summary of the shorthand conventions used in this report is provided in Table 2.

Detection Limits – For all analyte results a sample specific detection limit is calculated for that analyte. This is done by first determining the GC/MS peak height of the noise or interferent in the expected region of the analyte signal. This value is multiplied by the number 2.5, which serves as a safety factor. The 2.5 safety factor is disregarded if the noise present in the analyte region is a result of chemical interferences. The resulting signal response value is then used to estimate the minimum detectable analyte amount. The result is the estimated sample detection limit.

When an analyte is not detected, an ND appears in place of the result. The value in the detection limit column is the estimated detection limit for the analyte in that particular sample.

EXAMPLE CALCULATIONS

The following formulas were used for sample calculations. Examples are given for calculating the percent recovery for internal standard $^{13}\text{C}_{12}$ -PCB 1, the concentration of native PCB 1 and the EDL for PCB 1. All values used in the calculations below are typical (i.e. not extracted from a particular sample). Actual values are found on the IsoCalc Preliminary Sample Report (IPSR) at the position indicated (in parentheses, below):

INTERNAL STANDARD RECOVERY ($^{13}\text{C}_{12}$ -PCB 1)

$$\text{Percent Recovery} = \frac{\Sigma A_{IS} \cdot W_{RS} \cdot 100\%}{\Sigma A_{RS} \cdot W_{IS} \cdot RRF}$$

ΣA_{IS} = Sum of areas for the Internal Standard quantitation ions. (IPSR – Column “Area”, Row “13C12-PCB 1”)

W_{RS} = Mass in ng of the Recovery Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 9”)

ΣA_{RS} = Sum of areas for the Recovery Standard quantitation ions. (IPSR – Column “Area”, Row “13C12-PCB 9”)

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”)

RRF = Internal Standard mean relative response factor from the initial multipoint calibration. (IPSR - Column “RF”, Row “13C12-PCB 1”.)

$$\text{Substituting typical values , } \frac{1106275 \cdot 2.000 \text{ (ng)} \cdot 100\%}{1205581 \cdot 2.000 \text{ (ng)} \cdot 1.412} = 65\% \text{ Recovery}$$

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NATIVE ANALYTE QUANTITATION (PCB 1)

$$\text{Conc} = \frac{\sum A_X \cdot W_{IS}}{\sum A_{IS} \cdot V \cdot 0.001 (\text{mL/L}) \cdot RRF}$$

ΣA_X = Sum of areas for analyte quantitation ions. (IPSR – Area Column “Area”, Row “PCB 1”)

W_{IS} = Mass in ng of Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”)

ΣA_{IS} = Sum areas for the Internal Standard. (IPSR – Column “Area”, Row 13C12-PCB 1)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row “Initial Wt/Vol”)

RRF = Native analyte mean relative response factor from the initial calibration, or daily response factor as appropriate. (IPSR – Column “RF”, Row “PCB 1”)

$$\text{Substituting typical values, } \frac{8951 \cdot 2.000 (\text{ng})}{1106275 \cdot 2200 (\text{mL}) \cdot 0.001 (\text{mL/L}) \cdot 1.136} = 0.00647 \text{ ng/L} = 6.47 \text{ pg/L}$$

CALCULATION OF SAMPLE SPECIFIC ESTIMATED DETECTION LIMIT

This calculation uses the noise values found on the IsoCalc Preliminary Peak Report (IPPR), which follows the IPSR. All the other values used in the equation are found on the IPSR.)

$$\frac{\sum I_X \cdot W_{IS} \cdot T_{SN}}{\sum I_{IS} \cdot V \cdot 0.001 (\text{mL/L}) \cdot RRF}$$

ΣI_X = Sum of the intensities of the noise levels of the characteristic ions in the region of analyte elution. (IPPR – Columns “Height1” and “Height2”, Row {mass} 188, Sub-Row “Noise”).

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”).

T_{SN} = Minimum Signal-to-Noise threshold. = 2.5. A constant, specified by the method.

ΣI_{IS} = Intensity of the corresponding ^{13}C ions. (IPSR – Column “Height”, Row “13C12-PCB 9”)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row “Initial Wt/Vol”)

RRF = Native analyte mean relative response factor from the initial calibration or daily standard as appropriate. (IPSR – Column “RF”, Row “PCB 1”)

$$\text{Substituting typical values } \frac{79 \cdot 2000 (\text{pg}) \cdot 2.5}{334600 \cdot 2200 (\text{mL}) \cdot 0.001 (\text{mL/L}) \cdot 1.136} = 0.466 \text{ pg/L}$$

In sample data, peaks must have an intensity of 2.5 times the height of the background noise in order to be considered. Careful examination of the two equations above, and a bit of algebra reveals that for the concentration of the smallest peak detectable (per the EDL equation) to

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exactly equal the smallest peaks that are calculated, requires that the average height to area ratio obtained during the calibration must equal the area to height ratio for every peak obtained near 2.5 times the noise. When the area to height ratio on a peak in a sample is less than the average obtained during calibration, the calculated result will correspond to a peak that would have been less than 2.5 X the noise on the calibration. This is the result of normal variability. Because the source method for the EDL (EPA 1668) does not provide for censoring of results by any other magnitude standard than being 2.5 times the noise, the laboratory does not censor at the calculated EDL. Hence, detections may be reported below the estimated detection limits.

Table 1

Concentration of PCBs in Calibration Solutions

Analyte Type	BZ/IUPAC ¹	CS 0.5 ng/mL	CS 1 ng/mL	CS 2 ng/mL	CS 3 ² ng/mL	CS 4 ng/mL	CS 5 ng/mL
Congeners							
2-MoCB	1	0.5	1.0	5.0	50	400	2000
4-MoCB	3	0.5	1.0	5.0	50	400	2000
2,2'-DiCB	4	0.5	1.0	5.0	50	400	2000
4,4'-DiCB	15	0.5	1.0	5.0	50	400	2000
2,2',6'-TrCB	19	0.5	1.0	5.0	50	400	2000
3,4,4'-TrCB	37	0.5	1.0	5.0	50	400	2000
2,2',6,6'-TeCB	54	0.5	1.0	5.0	50	400	2000
3,3',4,4'-TeCB	77	0.5	1.0	5.0	50	400	2000
3,4,4',5-TeCB	81	0.5	1.0	5.0	50	400	2000
2,2',4,6,6'-PeCB	104	0.5	1.0	5.0	50	400	2000
2,3,3',4,4'-PeCB	105	0.5	1.0	5.0	50	400	2000
2,3,4,4',5-PeCB	114	0.5	1.0	5.0	50	400	2000
2,3',4,4',5-PeCB	118	0.5	1.0	5.0	50	400	2000
2',3,4,4',5-PeCB	123	0.5	1.0	5.0	50	400	2000
3,3',4,4',5-PeCB	126	0.5	1.0	5.0	50	400	2000
2,2',4,4',6,6'-HxCB	155	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5-HxCB	156	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5-HxCB	157	0.5	1.0	5.0	50	400	2000
2,3',4,4',5,5'-HxCB	167	0.5	1.0	5.0	50	400	2000
3,3',4,4',5,5'-HxCB	169	0.5	1.0	5.0	50	400	2000
2,2',3,4',5,6,6'-HpCB	188	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5'-HpCB	189	0.5	1.0	5.0	50	400	2000
2,2',3,3',5,5',6,6'-OcCB	202	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5',6-OcCB	205	0.5	1.0	5.0	50	400	2000
2,2',3,3',4,4',5,5',6-NoCB	206	0.5	1.0	5.0	50	400	2000
2,2',3,3',4',5,5',6,6'-NoCB	208	0.5	1.0	5.0	50	400	2000
DeCB	209	0.5	1.0	5.0	50	400	2000
All other CB congeners		0.5	1.0	5.0	50	400	2000
Labeled Congeners							
¹³ C ₁₂ -2-MoCB	1L	100	100	100	100	100	100
¹³ C ₁₂ -4-MoCB	3L	100	100	100	100	100	100
¹³ C ₁₂ -2,2'-DiCB	4L	100	100	100	100	100	100
¹³ C ₁₂ -4,4'-DiCB	15L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',6-TrCB	19L	100	100	100	100	100	100
¹³ C ₁₂ -3,4,4'-TrCB	37L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	100	100	100	100	100	100
¹³ C ₁₂ -3,4,4',5-TeCB	81L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,4,4',5-PeCB	114L	100	100	100	100	100	100

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Table 1

Concentration of PCBs in Calibration Solutions

	BZ/IUPAC ¹	CS 0.5	CS 1	CS 2	CS 3 ²	CS 4	CS 5
Analyte Type		ng/mL	ng/mL	ng/mL	ng/mL	ng/mL	ng/mL
¹³ C ₁₂ -2,3',4,4',5-PeCB	118L	100	100	100	100	100	100
¹³ C ₁₂ -2',3,4,4',5-PeCB	123L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4',5-PeCB	126L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5-HxCB	156L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	100	100	100	100	100	100
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5-HpCB	170L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5,5',6-OcCB	205L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6-NoCB	206L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6,6'-NoCB	208L	100	100	100	100	100	100
¹³ C ₁₂ -DeCB	209L	100	100	100	100	100	100
Cleanup Standards							
¹³ C ₁₂ -2,4,4'-TriCB	28L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',3,3',5,5'-HpCB	178L	0.5	1.0	5.0	50	400	--
Recovery Standards							
¹³ C ₁₂ -2,5-DiCB	9L	100	100	100	100	100	100
¹³ C ₁₂ -2,4',5-TriCB	31L	100	100	100	100	100	100
¹³ C ₁₂ -2,4',6-TriCB	32L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',5,5'-TeCB	52L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4',5,5'-PeCB	101L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,5,5'-PeCB	127L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3',4,4',5-HxCB	138L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,4,4',5,5'-HpCB	180L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5'-OcCB	194L	100	100	100	100	100	100
Labeled Sampling Surrogates							
¹³ C ₁₂ -2,4'-DiCB	8L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -3,3',4,5,5'-TeCB	79L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',3,5,6-PeCB	95L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',4,4',5,5'-HxCB	153L	0.5	1.0	5.0	50	400	--

1. Suffix "L" indicates labeled compound.

2. Calibration verification solution.

Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
1	2-monochlorobiphenyl	2051-60-7	106	2,3,3',4,5-pentachlorobiphenyl	70424-69-0
2	3-monochlorobiphenyl	2051-61-8	107/109	2,3,3',4',5-pentachlorobiphenyl	70424-68-9
3	4-monochlorobiphenyl	2051-62-9	108/107	2,3,3',4,5'-pentachlorobiphenyl	70362-41-3
4	2,2'-dichlorobiphenyl	13029-08-8	109/108	2,3,3',4,6-pentachlorobiphenyl	74472-35-8
5	2,3-dichlorobiphenyl	16605-91-7	110	2,3,3',4',6-pentachlorobiphenyl	38380-03-9
6	2,3'-dichlorobiphenyl	25569-80-6	111	2,3,3',5,5'-pentachlorobiphenyl	39635-32-0
7	2,4-dichlorobiphenyl	33284-50-3	112	2,3,3',5,6-pentachlorobiphenyl	74472-36-9
8	2,4'-dichlorobiphenyl	34883-43-7	113	2,3,3',5',6-pentachlorobiphenyl	68194-10-5

PROJECT NARRATIVE**H3E230405****Table 2****PCB Shorthand Nomenclature⁴ Used in this Report**

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
9	2,5-dichlorobiphenyl	34883-39-1	114	2,3,4,4',5-pentachlorobiphenyl	74472-37-0
10	2,6-dichlorobiphenyl	33146-45-1	115	2,3,4,4',6-pentachlorobiphenyl	74472-38-1
11	3,3'-dichlorobiphenyl	2050-67-1	116	2,3,4,5,6-pentachlorobiphenyl	18259-05-7
12	3,4-dichlorobiphenyl	2974-92-7	117	2,3,4',5,6-pentachlorobiphenyl	68194-11-6
13	3,4'-dichlorobiphenyl	2974-90-5	118	2,3',4,4',5-pentachlorobiphenyl	31508-00-6
14	3,5-dichlorobiphenyl	34883-41-5	119	2,3',4,4',6-pentachlorobiphenyl	56558-17-9
15	4,4'-dichlorobiphenyl	2050-68-2	120	2,3',4,5,5'-pentachlorobiphenyl	68194-12-7
16	2,2',3-trichlorobiphenyl	38444-78-9	121	2,3',4,5,6-pentachlorobiphenyl	56558-18-0
17	2,2',4-trichlorobiphenyl	37680-66-3	122	2',3,3',4,5-pentachlorobiphenyl (2,3,3',4',5'-pentachlorobiphenyl)	76842-07-4
18	2,2',5-trichlorobiphenyl	37680-65-2	123	2',3,4,4',5-pentachlorobiphenyl (2,3',4,4',5'-pentachlorobiphenyl)	65510-44-3
19	2,2',6-trichlorobiphenyl	38444-73-4	124	2',3,4,5,5'-pentachlorobiphenyl (2,3',4',5',5-pentachlorobiphenyl)	70424-70-3
20	2,3,3'-trichlorobiphenyl	38444-84-7	125	2',3,4,5,6-pentachlorobiphenyl (2,3',4',5',6-pentachlorobiphenyl)	74472-39-2
21	2,3,4-trichlorobiphenyl	55702-46-0	126	3,3',4,4',5-pentachlorobiphenyl	57465-28-8
22	2,3,4'-trichlorobiphenyl	38444-85-8	127	3,3',4,5,5'-pentachlorobiphenyl	39635-33-1
23	2,3,5-trichlorobiphenyl	55720-44-0	128	2,2',3,3',4,4'-hexachlorobiphenyl	38380-07-3
24	2,3,6-trichlorobiphenyl	55702-45-9	129	2,2',3,3',4,5-hexachlorobiphenyl	55215-18-4
25	2,3',4-trichlorobiphenyl	55712-37-3	130	2,2',3,3',4,5-hexachlorobiphenyl	52663-66-8
26	2,3',5-trichlorobiphenyl	38444-81-4	131	2,2',3,3',4,6-hexachlorobiphenyl	61798-70-7
27	2,3',6-trichlorobiphenyl	38444-76-7	132	2,2',3,3',4,6-hexachlorobiphenyl	38380-05-1
28	2,4,4'-trichlorobiphenyl	7012-37-5	133	2,2',3,3',5,5'-hexachlorobiphenyl	35694-04-3
29	2,4,5-trichlorobiphenyl	15862-07-4	134	2,2',3,3',5,6-hexachlorobiphenyl	52704-70-8
30	2,4,6-trichlorobiphenyl	35693-92-6	135	2,2',3,3',5,6-hexachlorobiphenyl	52744-13-5
31	2,4',5-trichlorobiphenyl	16606-02-3	136	2,2',3,3',6,6'-hexachlorobiphenyl	38411-22-2
32	2,4',6-trichlorobiphenyl	38444-77-8	137	2,2',3,4,4',5-hexachlorobiphenyl	35694-06-5
33	2',3,4-trichlorobiphenyl (2,3',4'-trichlorobiphenyl)	38444-86-9	138	2,2',3,4,4',5'-hexachlorobiphenyl	35065-28-2
34	2',3,5-trichlorobiphenyl (2,3',5'-trichlorobiphenyl)	37680-68-5	139	2,2',3,4,4',6-hexachlorobiphenyl	56030-56-9
35	3,3',4-trichlorobiphenyl	37680-69-6	140	2,2',3,4,4',6'-hexachlorobiphenyl	59291-64-4
36	3,3',5-trichlorobiphenyl	38444-87-0	141	2,2',3,4,5,5'-hexachlorobiphenyl	52712-04-6
37	3,4,4'-trichlorobiphenyl	38444-90-5	142	2,2',3,4,5,6-hexachlorobiphenyl	41411-61-4
38	3,4,5-trichlorobiphenyl	53555-66-1	143	2,2',3,4,5,6-hexachlorobiphenyl	68194-15-0
39	3,4',5-trichlorobiphenyl	38444-88-1	144	2,2',3,4,5,6-hexachlorobiphenyl	68194-14-9
40	2,2',3,3'-tetrachlorobiphenyl	38444-93-8	145	2,2',3,4,6,6'-hexachlorobiphenyl	74472-40-5
41	2,2',3,4-tetrachlorobiphenyl	52663-59-9	146	2,2',3,4',5,5'-hexachlorobiphenyl	51908-16-8
42	2,2',3,4'-tetrachlorobiphenyl	36559-22-5	147	2,2',3,4',5,6-hexachlorobiphenyl	68194-13-8
43	2,2',3,5-tetrachlorobiphenyl	70362-46-8	148	2,2',3,4',5,6'-hexachlorobiphenyl	74472-41-6
44	2,2',3,5'-tetrachlorobiphenyl	41464-39-5	149	2,2',3,4',5',6-hexachlorobiphenyl	38380-04-0
45	2,2',3,6-tetrachlorobiphenyl	70362-45-7	150	2,2',3,4',6,6'-hexachlorobiphenyl	68194-08-1
46	2,2',3,6'-tetrachlorobiphenyl	41464-47-5	151	2,2',3,5,5',6-hexachlorobiphenyl	52663-63-5
47	2,2',4,4'-tetrachlorobiphenyl	2437-79-8	152	2,2',3,5,6,6'-hexachlorobiphenyl	68194-09-2
48	2,2',4,5-tetrachlorobiphenyl	70362-47-9	153	2,2',4,4',5,5'-hexachlorobiphenyl	35065-27-1
49	2,2',4,5'-tetrachlorobiphenyl	41464-40-8	154	2,2',4,4',5,6'-hexachlorobiphenyl	60145-22-4
50	2,2',4,6-tetrachlorobiphenyl	62796-65-0	155	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2
51	2,2',4,6'-tetrachlorobiphenyl	68194-04-7	156	2,3,3',4,4',5-hexachlorobiphenyl	38380-08-4
52	2,2',5,5'-tetrachlorobiphenyl	35693-99-3	157	2,3,3',4,4',5'-hexachlorobiphenyl	69782-90-7
53	2,2',5,6'-tetrachlorobiphenyl	41464-41-9	158	2,3,3',4,4',6-hexachlorobiphenyl	74472-42-7

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
54	2,2',6,6'-tetrachlorobiphenyl	15968-05-5	159	2,3,3',4,5,5'-hexachlorobiphenyl	39635-35-3
55	2,3,3',4-tetrachlorobiphenyl	74338-24-2	160	2,3,3',4,5,6-hexachlorobiphenyl	41411-62-5
56	2,3,3',4'-tetrachlorobiphenyl	41464-43-1	161	2,3,3',4,5',6-hexachlorobiphenyl	74472-43-8
57	2,3,3',5-tetrachlorobiphenyl	70424-67-8	162	2,3,3',4',5,5'-hexachlorobiphenyl	39635-34-2
58	2,3,3',5'-tetrachlorobiphenyl	41464-49-7	163	2,3,3',4',5,6-hexachlorobiphenyl	74472-44-9
59	2,3,3',6-tetrachlorobiphenyl	74472-33-6	164	2,3,3',4',5,6-hexachlorobiphenyl	74472-45-0
60	2,3,4,4'-tetrachlorobiphenyl	33025-41-1	165	2,3,3',5,5',6-hexachlorobiphenyl	74472-46-1
61	2,3,4,5-tetrachlorobiphenyl	33284-53-6	166	2,3,4',4,5,6-hexachlorobiphenyl	41411-63-6
62	2,3,4,6-tetrachlorobiphenyl	54230-22-7	167	2,3',4,4',5,5'-hexachlorobiphenyl	52663-72-6
63	2,3,4',5-tetrachlorobiphenyl	74472-34-7	168	2,3',4,4',5,6-hexachlorobiphenyl	59291-65-5
64	2,3,4',6-tetrachlorobiphenyl	52663-58-8	169	3,3',4,4',5,5'-hexachlorobiphenyl	32774-16-6
65	2,3,5,6-tetrachlorobiphenyl	33284-54-7	170	2,2',3,3',4,4',5-heptachlorobiphenyl	35065-30-6
66	2,3',4,4'-tetrachlorobiphenyl	32598-10-0	171	2,2',3,3',4,4',6-heptachlorobiphenyl	52663-71-5
67	2,3',4,5-tetrachlorobiphenyl	73575-53-8	172	2,2',3,3',4,5,5'-heptachlorobiphenyl	52663-74-8
68	2,3',4,5'-tetrachlorobiphenyl	73575-52-7	173	2,2',3,3',4,5,6-heptachlorobiphenyl	68194-16-1
69	2,3',4,6-tetrachlorobiphenyl	60233-24-1	174	2,2',3,3',4,5,6'-heptachlorobiphenyl	38411-25-5
70	2,3',4',5-tetrachlorobiphenyl	32598-11-1	175	2,2',3,3',4,5',6-heptachlorobiphenyl	40186-70-7
71	2,3',4',6-tetrachlorobiphenyl	41464-46-4	176	2,2',3,3',4,6,6'-heptachlorobiphenyl	52663-65-7
72	2,3',5,5'-tetrachlorobiphenyl	41464-42-0	177	2,2',3,3',4',5,6-heptachlorobiphenyl (2,2',3,3',4,5',6'-heptachlorobiphenyl)	52663-70-4
73	2,3',5',6-tetrachlorobiphenyl	74338-23-1	178	2,2',3,3',5,5',6-heptachlorobiphenyl	52663-67-9
74	2,4,4',5-tetrachlorobiphenyl	32690-93-0	179	2,2',3,3',5,6,6'-heptachlorobiphenyl	52663-64-6
75	2,4,4',6-tetrachlorobiphenyl	32598-12-2	180	2,2',3,4,4',5,5'-heptachlorobiphenyl	35065-29-3
76	2',3,4,5-tetrachlorobiphenyl (2,3',4',5'-tetrachlorobiphenyl)	70362-48-0	181	2,2',3,4,4',5,6-heptachlorobiphenyl	74472-47-2
77	3,3',4,4'-tetrachlorobiphenyl	32598-13-3	182	2,2',3,4,4',5,6'-heptachlorobiphenyl	60145-23-5
78	3,3',4,5-tetrachlorobiphenyl	70362-49-1	183	2,2',3,4,4',5',6-heptachlorobiphenyl	52663-69-1
79	3,3',4,5'-tetrachlorobiphenyl	41464-48-6	184	2,2',3,4,4',6,6'-heptachlorobiphenyl	74472-48-3
80	3,3',5,5'-tetrachlorobiphenyl	33284-52-5	185	2,2',3,4,5,5',6-heptachlorobiphenyl	52712-05-7
81	3,4,4',5-tetrachlorobiphenyl	70362-50-4	186	2,2',3,4,5,6,6'-heptachlorobiphenyl	74472-49-4
82	2,2',3,3',4-pentachlorobiphenyl	52663-62-4	187	2,2',3,4',5,5',6-heptachlorobiphenyl	52663-68-0
83	2,2',3,3',5-pentachlorobiphenyl	60145-20-2	188	2,2',3,4',5,6,6'-heptachlorobiphenyl	74487-85-7
84	2,2',3,3',6-pentachlorobiphenyl	52663-60-2	189	2,3,3',4,4',5,5'-heptachlorobiphenyl	39635-31-9
85	2,2',3,4,4'-pentachlorobiphenyl	65510-45-4	190	2,3,3',4,4',5,6-heptachlorobiphenyl	41411-64-7
86	2,2',3,4,5-pentachlorobiphenyl	55312-69-1	191	2,3,3',4,4',5',6-heptachlorobiphenyl	74472-50-7
87	2,2',3,4,5'-pentachlorobiphenyl	38380-02-8	192	2,3,3',4,5,5',6-heptachlorobiphenyl	74472-51-8
88	2,2',3,4,6-pentachlorobiphenyl	55215-17-3	193	2,3,3',4,5,5',6-heptachlorobiphenyl	69782-91-8
89	2,2',3,4,6'-pentachlorobiphenyl	73575-57-2	194	2,2',3,3',4,4',5,5'-octachlorobiphenyl	35694-08-7
90	2,2',3,4',5-pentachlorobiphenyl	68194-07-0	195	2,2',3,3',4,4',5,6-octachlorobiphenyl	52663-78-2
91	2,2',3,4',6-pentachlorobiphenyl	68194-05-8	196	2,2',3,3',4,4',5,6-octachlorobiphenyl	42740-50-1
92	2,2',3,5,5'-pentachlorobiphenyl	52663-61-3	197	2,2',3,3',4,4',6,6'-octachlorobiphenyl	33091-17-7
93	2,2',3,5,6-pentachlorobiphenyl	73575-56-1	198	2,2',3,3',4,5,5',6-octachlorobiphenyl	68194-17-2
94	2,2',3,5,6'-pentachlorobiphenyl	73575-55-0	199/200	2,2',3,3',4,5,6,6'-octachlorobiphenyl	52663-73-7
95	2,2',3,5',6-pentachlorobiphenyl	38379-99-6	200/201	2,2',3,3',4,5',6,6'-octachlorobiphenyl	40186-71-8
96	2,2',3,6,6'-pentachlorobiphenyl	73575-54-9	201/199	2,2',3,3',4,5,5',6-octachlorobiphenyl	52663-75-9
97	2,2',3',4,5-pentachlorobiphenyl (2,2',3,4',5'-pentachlorobiphenyl)	41464-51-1	202	2,2',3,3',5,5',6,6'-octachlorobiphenyl	2136-99-4
98	2,2',3',4,6-pentachlorobiphenyl (2,2',3,4',6'-pentachlorobiphenyl)	60233-25-2	203	2,2',3,4,4',5,5',6-octachlorobiphenyl	52663-76-0

PROJECT NARRATIVE

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
99	2,2',4,4',5-pentachlorobiphenyl	38380-01-7	204	2,2',3,4,4',5,6,6'-octachlorobiphenyl	74472-52-9
100	2,2',4,4',6-pentachlorobiphenyl	39485-83-1	205	2,3,3',4,4',5,5',6-octachlorobiphenyl	74472-53-0
101	2,2',4,5,5'-pentachlorobiphenyl	37680-73-2	206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	40186-72-9
102	2,2',4,5,6-pentachlorobiphenyl	68194-06-9	207	2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl	52663-79-3
103	2,2',4,5',6-pentachlorobiphenyl	60145-21-3	208	2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl	52663-77-1
104	2,2',4,6,6'-pentachlorobiphenyl	56558-16-8	209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	2051-24-3
105	2,3,3',4,4'-pentachlorobiphenyl	32598-14-4			

1. The BZ number is from Ballschmiter and Zell (1980). The IUPAC number, when different from the BZ, follows the recommended changes to the BZ number per Schulte and Malisch (1983) and Guitart et al. (1993).
2. The chemical structure names are from Ballschmiter and Zell (1980). IUPAC nomenclature structure names are listed in parenthesis when different from the BZ name (source CAS Registry).
3. Chemical Abstract Service Registry number (source CAS Registry and 1668 Table 1).
4. A complete discussion of PCB Nomenclature may be found in Mills III, S.A. et al., A summary of the 209 PCB congener nomenclature, Chemosphere (2007), doi:10.1016/j.chemosphere.2007.03.052.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACCLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Sample Data Summary

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E230405 - 001	Work Order #....:	M0XFM1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.010	0.00031	ng/g
PCB 2 (BZ)	ND	0.010	0.00032	ng/g
PCB 3 (BZ)	ND	0.010	0.00034	ng/g
PCB 4 (BZ)	0.0013	Q J	0.020	ng/g
PCB 5 (BZ)	ND	0.010	0.0013	ng/g
PCB 6 (BZ)	0.0013	Q J	0.010	ng/g
PCB 7 (BZ)	ND	0.010	0.0013	ng/g
PCB 8 (BZ)	0.0014	Q B J	0.020	ng/g
PCB 9 (BZ)	0.00093	Q J	0.010	ng/g
PCB 10 (BZ)	ND	0.010	0.0014	ng/g
PCB 11 (BZ)	0.0091	Q B J	0.020	ng/g
PCB 12 (BZ)	0.0011	Q C J	0.010	ng/g
PCB 13 (BZ)	0.0011	Q C12 J	0.010	ng/g
PCB 14 (BZ)	ND	0.010	0.0011	ng/g
PCB 15 (BZ)	0.0028	Q B J	0.010	ng/g
PCB 16 (BZ)	ND	0.010	0.0010	ng/g
PCB 17 (BZ)	ND	0.010	0.00087	ng/g
PCB 18 (BZ)	0.0079	Q C J	0.020	ng/g
PCB 19 (BZ)	ND	0.010	0.0011	ng/g
PCB 20 (BZ)	0.025	B C	0.020	ng/g
PCB 21 (BZ)	0.0025	Q C J	0.010	ng/g
PCB 22 (BZ)	0.0020	J	0.010	ng/g
PCB 23 (BZ)	ND	0.010	0.00053	ng/g
PCB 24 (BZ)	ND	0.010	0.00073	ng/g
PCB 25 (BZ)	0.0023	Q J	0.010	ng/g
PCB 26 (BZ)	0.027	C	0.010	ng/g
PCB 27 (BZ)	ND	0.010	0.00063	ng/g
PCB 28 (BZ)	0.025	B C20	0.020	ng/g
PCB 29 (BZ)	0.027	C26	0.010	ng/g
PCB 30 (BZ)	0.0079	Q C18 J	0.020	ng/g
PCB 31 (BZ)	0.018	B J	0.020	ng/g
PCB 32 (BZ)	ND	0.010	0.00061	ng/g
PCB 33 (BZ)	0.0025	Q C21 J	0.010	ng/g
PCB 34 (BZ)	ND	0.010	0.00052	ng/g
PCB 35 (BZ)	0.00050	Q J	0.010	ng/g
PCB 36 (BZ)	ND	0.010	0.00051	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 001 Work Order #....: M0XFM1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0051	J	0.010	0.00053	ng/g
PCB 38 (BZ)	ND		0.010	0.00054	ng/g
PCB 39 (BZ)	ND		0.010	0.00048	ng/g
PCB 40 (BZ)	0.0067	Q C J	0.010	0.00083	ng/g
PCB 41 (BZ)	0.0067	Q C40 J	0.010	0.00083	ng/g
PCB 42 (BZ)	0.0031	J	0.010	0.00085	ng/g
PCB 43 (BZ)	ND		0.010	0.00078	ng/g
PCB 44 (BZ)	0.058	B C	0.010	0.00074	ng/g
PCB 45 (BZ)	ND		0.010	0.00086	ng/g
PCB 46 (BZ)	ND		0.010	0.0010	ng/g
PCB 47 (BZ)	0.058	B C44	0.010	0.00074	ng/g
PCB 48 (BZ)	0.0032	J	0.010	0.00083	ng/g
PCB 49 (BZ)	0.025	C	0.010	0.00069	ng/g
PCB 50 (BZ)	0.0042	C J	0.010	0.00080	ng/g
PCB 51 (BZ)	ND		0.010	0.00086	ng/g
PCB 52 (BZ)	0.17		0.010	0.00080	ng/g
PCB 53 (BZ)	0.0042	C50 J	0.010	0.00080	ng/g
PCB 54 (BZ)	ND		0.010	0.00076	ng/g
PCB 55 (BZ)	0.0018	Q J	0.010	0.00064	ng/g
PCB 56 (BZ)	0.0081	J	0.010	0.00061	ng/g
PCB 57 (BZ)	ND		0.010	0.00061	ng/g
PCB 58 (BZ)	0.0015	J	0.010	0.00061	ng/g
PCB 59 (BZ)	0.0037	C J	0.010	0.00059	ng/g
PCB 60 (BZ)	0.010		0.010	0.00063	ng/g
PCB 61 (BZ)	0.092	B C	0.020	0.00059	ng/g
PCB 62 (BZ)	0.0037	C59 J	0.010	0.00059	ng/g
PCB 63 (BZ)	0.0024	Q J	0.010	0.00057	ng/g
PCB 64 (BZ)	0.0048	J	0.010	0.00056	ng/g
PCB 65 (BZ)	0.058	B C44	0.010	0.00074	ng/g
PCB 66 (BZ)	0.065		0.010	0.00059	ng/g
PCB 67 (BZ)	ND		0.010	0.00055	ng/g
PCB 68 (BZ)	0.0030	Q J	0.010	0.00056	ng/g
PCB 69 (BZ)	0.025	C49	0.010	0.00069	ng/g
PCB 70 (BZ)	0.092	B C61	0.020	0.00059	ng/g
PCB 71 (BZ)	0.0067	Q C40 J	0.010	0.00083	ng/g
PCB 72 (BZ)	0.0074	J	0.010	0.00060	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E230405 - 001	Work Order #....:	M0XFM1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.010	0.00078	ng/g
PCB 74 (BZ)	0.092	B C61	0.020	0.00059	ng/g
PCB 75 (BZ)	0.0037	C59 J	0.010	0.00059	ng/g
PCB 76 (BZ)	0.092	B C61	0.020	0.00059	ng/g
PCB 77 (BZ)	0.0046	J	0.010	0.00059	ng/g
PCB 78 (BZ)	ND		0.010	0.00063	ng/g
PCB 79 (BZ)	ND		0.010	0.00056	ng/g
PCB 80 (BZ)	ND		0.010	0.00054	ng/g
PCB 81 (BZ)	ND		0.010	0.00056	ng/g
PCB 82 (BZ)	ND		0.010	0.0012	ng/g
PCB 83 (BZ)	0.074	C	0.010	0.0010	ng/g
PCB 84 (BZ)	0.0050	Q J	0.010	0.0012	ng/g
PCB 85 (BZ)	0.016	Q C	0.010	0.00084	ng/g
PCB 86 (BZ)	0.077	C	0.010	0.00086	ng/g
PCB 87 (BZ)	0.077	C86	0.010	0.00086	ng/g
PCB 88 (BZ)	0.0076	C J	0.010	0.0010	ng/g
PCB 89 (BZ)	ND		0.010	0.0011	ng/g
PCB 90 (BZ)	0.25	C	0.010	0.00087	ng/g
PCB 91 (BZ)	0.0076	C88 J	0.010	0.0010	ng/g
PCB 92 (BZ)	0.051		0.010	0.00099	ng/g
PCB 93 (BZ)	ND		0.010	0.0010	ng/g
PCB 94 (BZ)	ND		0.010	0.0011	ng/g
PCB 95 (BZ)	0.12		0.010	0.0011	ng/g
PCB 96 (BZ)	ND		0.010	0.00084	ng/g
PCB 97 (BZ)	0.077	C86	0.010	0.00086	ng/g
PCB 98 (BZ)	ND		0.010	0.00097	ng/g
PCB 99 (BZ)	0.074	C83	0.010	0.0010	ng/g
PCB 100 (BZ)	ND		0.010	0.0010	ng/g
PCB 101 (BZ)	0.25	C90	0.010	0.00087	ng/g
PCB 102 (BZ)	ND		0.010	0.00097	ng/g
PCB 103 (BZ)	0.0043	J	0.010	0.00098	ng/g
PCB 104 (BZ)	ND		0.010	0.00075	ng/g
PCB 105 (BZ)	0.032		0.010	0.00064	ng/g
PCB 106 (BZ)	ND		0.010	0.00069	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.013		0.010	0.00067	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.012	C	0.010	0.00070	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 001 Work Order #....: M0XFM1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.077	C86	0.010	0.00086	ng/g
PCB 110 (BZ)	0.043	C	0.010	0.00074	ng/g
PCB 111 (BZ)	ND		0.010	0.00070	ng/g
PCB 112 (BZ)	ND		0.010	0.00076	ng/g
PCB 113 (BZ)	0.25	C90	0.010	0.00087	ng/g
PCB 114 (BZ)	0.0019	Q J	0.010	0.00061	ng/g
PCB 115 (BZ)	0.043	C110	0.010	0.00074	ng/g
PCB 116 (BZ)	0.016	Q C85	0.010	0.00084	ng/g
PCB 117 (BZ)	0.016	Q C85	0.010	0.00084	ng/g
PCB 118 (BZ)	0.11		0.010	0.00063	ng/g
PCB 119 (BZ)	0.077	C86	0.010	0.00086	ng/g
PCB 120 (BZ)	ND		0.010	0.00072	ng/g
PCB 121 (BZ)	ND		0.010	0.00073	ng/g
PCB 122 (BZ)	0.0016	Q J	0.010	0.00075	ng/g
PCB 123 (BZ)	0.0016	Q J	0.010	0.00069	ng/g
PCB 124 (BZ)	0.012	C108	0.010	0.00070	ng/g
PCB 125 (BZ)	0.077	C86	0.010	0.00086	ng/g
PCB 126 (BZ)	ND		0.010	0.00074	ng/g
PCB 127 (BZ)	ND		0.010	0.00068	ng/g
PCB 128 (BZ)	0.013	Q C	0.010	0.0012	ng/g
PCB 129 (BZ)	0.17	C	0.010	0.0012	ng/g
PCB 130 (BZ)	0.013	Q	0.010	0.0015	ng/g
PCB 131 (BZ)	ND		0.010	0.0016	ng/g
PCB 132 (BZ)	0.024		0.010	0.0015	ng/g
PCB 133 (BZ)	0.0038	Q J	0.010	0.0015	ng/g
PCB 134 (BZ)	0.0060	Q C J	0.010	0.0015	ng/g
PCB 135 (BZ)	0.089	C	0.010	0.0011	ng/g
PCB 136 (BZ)	0.011		0.010	0.00077	ng/g
PCB 137 (BZ)	0.0044	Q J	0.010	0.0013	ng/g
PCB 138 (BZ)	0.17	C129	0.010	0.0012	ng/g
PCB 139 (BZ)	ND		0.010	0.0013	ng/g
PCB 140 (BZ)	ND		0.010	0.0013	ng/g
PCB 141 (BZ)	0.088		0.010	0.0014	ng/g
PCB 142 (BZ)	ND		0.010	0.0015	ng/g
PCB 143 (BZ)	0.0060	Q C134 J	0.010	0.0015	ng/g
PCB 144 (BZ)	0.013		0.010	0.00098	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 001 Work Order #....: M0XFM1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.00074	ng/g
PCB 146 (BZ)	0.045		0.010	0.0013	ng/g
PCB 147 (BZ)	0.16	C	0.010	0.0013	ng/g
PCB 148 (BZ)	ND		0.010	0.0010	ng/g
PCB 149 (BZ)	0.16	C147	0.010	0.0013	ng/g
PCB 150 (BZ)	ND		0.010	0.00072	ng/g
PCB 151 (BZ)	0.089	C135	0.010	0.0011	ng/g
PCB 152 (BZ)	ND		0.010	0.00074	ng/g
PCB 153 (BZ)	0.10	C	0.010	0.0010	ng/g
PCB 154 (BZ)	0.0038	Q J	0.010	0.00086	ng/g
PCB 155 (BZ)	ND		0.010	0.00070	ng/g
PCB 156 (BZ)	0.013	C	0.010	0.0013	ng/g
PCB 157 (BZ)	0.013	C156	0.010	0.0013	ng/g
PCB 158 (BZ)	0.0097	Q J	0.010	0.00095	ng/g
PCB 159 (BZ)	0.0029	J	0.010	0.0010	ng/g
PCB 160 (BZ)	0.17	C129	0.010	0.0012	ng/g
PCB 161 (BZ)	ND		0.010	0.0010	ng/g
PCB 162 (BZ)	ND		0.010	0.0010	ng/g
PCB 163 (BZ)	0.17	C129	0.010	0.0012	ng/g
PCB 164 (BZ)	0.028		0.010	0.0011	ng/g
PCB 165 (BZ)	ND		0.010	0.0011	ng/g
PCB 166 (BZ)	0.013	Q C128	0.010	0.0012	ng/g
PCB 167 (BZ)	0.0056	Q J	0.010	0.00071	ng/g
PCB 168 (BZ)	0.10	C153	0.010	0.0010	ng/g
PCB 169 (BZ)	ND		0.010	0.00079	ng/g
PCB 170 (BZ)	0.012		0.010	0.0014	ng/g
PCB 171 (BZ)	0.0033	Q C J	0.010	0.0011	ng/g
PCB 172 (BZ)	0.0051	Q J	0.010	0.0011	ng/g
PCB 173 (BZ)	0.0033	Q C171 J	0.010	0.0011	ng/g
PCB 174 (BZ)	0.055		0.010	0.0010	ng/g
PCB 175 (BZ)	ND		0.010	0.00099	ng/g
PCB 176 (BZ)	0.0026	Q J	0.010	0.00076	ng/g
PCB 177 (BZ)	0.017		0.010	0.0011	ng/g
PCB 178 (BZ)	0.014		0.010	0.0011	ng/g
PCB 179 (BZ)	0.012		0.010	0.00080	ng/g
PCB 180 (BZ)	0.041	C	0.010	0.00084	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 001 **Work Order #....:** M0XFM1AE **Matrix....:** TA
Date Sampled....: 05/13/13 **Date Received....:** 05/23/13 **Dilution Factor:** 1
Prep Date....: 05/24/13 **Analysis Date....:** 06/12/13
Prep Batch #: 3144011
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS	
PCB 181 (BZ)	ND		0.010	0.00099	ng/g	10
PCB 182 (BZ)	ND		0.010	0.00096	ng/g	11
PCB 183 (BZ)	0.024	C	0.010	0.00098	ng/g	12
PCB 184 (BZ)	ND		0.010	0.00082	ng/g	13
PCB 185 (BZ)	0.024	C183	0.010	0.00098	ng/g	14
PCB 186 (BZ)	ND		0.010	0.00079	ng/g	
PCB 187 (BZ)	0.11		0.010	0.00092	ng/g	
PCB 188 (BZ)	ND		0.010	0.00065	ng/g	
PCB 189 (BZ)	ND		0.010	0.00073	ng/g	
PCB 190 (BZ)	0.0037	Q J	0.010	0.00077	ng/g	
PCB 191 (BZ)	0.0016	Q J	0.010	0.00075	ng/g	
PCB 192 (BZ)	ND		0.010	0.00084	ng/g	
PCB 193 (BZ)	0.041	C180	0.010	0.00084	ng/g	
PCB 194 (BZ)	0.0035	Q J	0.010	0.00089	ng/g	
PCB 195 (BZ)	ND		0.010	0.00097	ng/g	
PCB 196 (BZ)	0.0040	Q J	0.010	0.00069	ng/g	
PCB 197 (BZ)	0.0019	J	0.010	0.00051	ng/g	
PCB 198 (BZ)	0.022	C	0.010	0.00071	ng/g	
PCB 201 (BZ)/199 (IUPAC)	0.022	C198	0.010	0.00071	ng/g	
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00050	ng/g	
PCB 200 (BZ)/201 (IUPAC)	0.0015	Q J	0.010	0.00049	ng/g	
PCB 202 (BZ)	0.0049	J	0.010	0.00055	ng/g	
PCB 203 (BZ)	0.0039	Q J	0.010	0.00063	ng/g	
PCB 204 (BZ)	ND		0.010	0.00053	ng/g	
PCB 205 (BZ)	ND		0.010	0.00075	ng/g	
PCB 206 (BZ)	0.0059	Q J	0.010	0.0012	ng/g	
PCB 207 (BZ)	ND		0.010	0.00085	ng/g	
PCB 208 (BZ)	0.0033	Q J	0.010	0.00086	ng/g	
PCB 209 (BZ)	0.0051	Q J	0.010	0.00094	ng/g	

TestAmerica Pittsburgh**Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E230405 - 001	Work Order #....:	M0XFM1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	51	30 - 140
13C12-PCB 3	53	30 - 140
13C12-PCB 4	66	30 - 140
13C12-PCB 15	78	30 - 140
13C12-PCB 19	61	30 - 140
13C12-PCB 37	70	30 - 140
13C12-PCB 54	80	30 - 140
13C12-PCB 77	75	30 - 140
13C12-PCB 81	74	30 - 140
13C12-PCB 104	76	30 - 140
13C12-PCB 105	74	30 - 140
13C12-PCB 114	76	30 - 140
13C12-PCB 118	74	30 - 140
13C12-PCB 123	73	30 - 140
13C12-PCB 126	71	30 - 140
13C12-PCB 155	97	30 - 140
13C12-PCB 156	82	C
13C12-PCB 157	82	C
13C12-PCB 167	82	30 - 140
13C12-PCB 169	80	30 - 140
13C12-PCB 170	80	30 - 140
13C12-PCB 188	93	30 - 140
13C12-PCB 189	90	30 - 140
13C12-PCB 202	108	30 - 140
13C12-PCB 205	71	30 - 140
13C12-PCB 206	87	30 - 140
13C12-PCB 208	93	30 - 140
13C12-PCB 209	80	30 - 140
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	75	40 - 125
13C12-PCB 111	81	40 - 125
13C12-PCB 178	91	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(T)****Trace Level Organic Compounds**

Lot - Sample #....: H3E230405 - 001 **Work Order #....:** M0XFM1AE **Matrix....:** TA
Date Sampled....: 05/13/13 **Date Received....:** 05/23/13 **Dilution Factor:** 1
Prep Date....: 05/24/13 **Analysis Date....:** 06/12/13
Prep Batch #: 3144011
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 002 Work Order #....: M0XFN1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011 Instrument ID....: M1D Method: EPA-22 1668A
 Initial Wgt/Vol : 10.4 g Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.0096	0.00029	ng/g
PCB 2 (BZ)	0.0013	J	0.0096	0.00033	ng/g
PCB 3 (BZ)	ND		0.0096	0.00037	ng/g
PCB 4 (BZ)	0.0016	Q J	0.019	0.0018	ng/g
PCB 5 (BZ)	0.00042	Q J	0.0096	0.0014	ng/g
PCB 6 (BZ)	0.0030	Q J	0.0096	0.0013	ng/g
PCB 7 (BZ)	ND		0.0096	0.0013	ng/g
PCB 8 (BZ)	0.0024	Q B J	0.019	0.0013	ng/g
PCB 9 (BZ)	0.0014	Q J	0.0096	0.0013	ng/g
PCB 10 (BZ)	0.00059	Q J	0.0096	0.0014	ng/g
PCB 11 (BZ)	0.027	B	0.019	0.0013	ng/g
PCB 12 (BZ)	ND		0.0096	0.0013	ng/g
PCB 13 (BZ)	ND		0.0096	0.0013	ng/g
PCB 14 (BZ)	ND		0.0096	0.0011	ng/g
PCB 15 (BZ)	0.017	B	0.0096	0.0013	ng/g
PCB 16 (BZ)	0.0034	Q J	0.0096	0.0016	ng/g
PCB 17 (BZ)	0.0031	Q J	0.0096	0.0013	ng/g
PCB 18 (BZ)	0.024	Q C	0.019	0.0012	ng/g
PCB 19 (BZ)	ND		0.0096	0.0016	ng/g
PCB 20 (BZ)	0.17	B C	0.019	0.00050	ng/g
PCB 21 (BZ)	0.0083	C J	0.0096	0.00051	ng/g
PCB 22 (BZ)	0.0046	Q J	0.0096	0.00051	ng/g
PCB 23 (BZ)	ND		0.0096	0.00052	ng/g
PCB 24 (BZ)	ND		0.0096	0.0011	ng/g
PCB 25 (BZ)	0.015		0.0096	0.00047	ng/g
PCB 26 (BZ)	0.077	C	0.0096	0.00050	ng/g
PCB 27 (BZ)	0.0020	Q J	0.0096	0.00094	ng/g
PCB 28 (BZ)	0.17	B C20	0.019	0.00050	ng/g
PCB 29 (BZ)	0.077	C26	0.0096	0.00050	ng/g
PCB 30 (BZ)	0.024	Q C18	0.019	0.0012	ng/g
PCB 31 (BZ)	0.081	B	0.019	0.00049	ng/g
PCB 32 (BZ)	0.0021	Q J	0.0096	0.00093	ng/g
PCB 33 (BZ)	0.0083	C21 J	0.0096	0.00051	ng/g
PCB 34 (BZ)	0.0012	Q J	0.0096	0.00052	ng/g
PCB 35 (BZ)	0.0017	J	0.0096	0.00053	ng/g
PCB 36 (BZ)	0.00084	Q J	0.0096	0.00051	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E230405 - 002	Work Order #....:	M0XFN1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.020		0.0096	0.00053	ng/g
PCB 38 (BZ)	ND		0.0096	0.00054	ng/g
PCB 39 (BZ)	0.00084	Q J	0.0096	0.00048	ng/g
PCB 40 (BZ)	0.016	Q C	0.0096	0.00071	ng/g
PCB 41 (BZ)	0.016	Q C40	0.0096	0.00071	ng/g
PCB 42 (BZ)	0.0077	J	0.0096	0.00073	ng/g
PCB 43 (BZ)	0.0038	C J	0.0096	0.00067	ng/g
PCB 44 (BZ)	0.20	B C	0.0096	0.00064	ng/g
PCB 45 (BZ)	0.0018	Q C J	0.0096	0.00074	ng/g
PCB 46 (BZ)	ND		0.0096	0.00087	ng/g
PCB 47 (BZ)	0.20	B C44	0.0096	0.00064	ng/g
PCB 48 (BZ)	0.0070	J	0.0096	0.00071	ng/g
PCB 49 (BZ)	0.081	C	0.0096	0.00059	ng/g
PCB 50 (BZ)	0.0081	Q C J	0.0096	0.00069	ng/g
PCB 51 (BZ)	0.0018	Q C45 J	0.0096	0.00074	ng/g
PCB 52 (BZ)	0.38		0.0096	0.00069	ng/g
PCB 53 (BZ)	0.0081	Q C50 J	0.0096	0.00069	ng/g
PCB 54 (BZ)	ND		0.0096	0.0012	ng/g
PCB 55 (BZ)	0.0030	Q J	0.0096	0.00055	ng/g
PCB 56 (BZ)	0.024		0.0096	0.00052	ng/g
PCB 57 (BZ)	0.0049	J	0.0096	0.00053	ng/g
PCB 58 (BZ)	0.0028	Q J	0.0096	0.00052	ng/g
PCB 59 (BZ)	0.014	Q C	0.0096	0.00051	ng/g
PCB 60 (BZ)	0.021		0.0096	0.00054	ng/g
PCB 61 (BZ)	0.30	B C	0.019	0.00051	ng/g
PCB 62 (BZ)	0.014	Q C59	0.0096	0.00051	ng/g
PCB 63 (BZ)	0.023		0.0096	0.00049	ng/g
PCB 64 (BZ)	0.0067	J	0.0096	0.00048	ng/g
PCB 65 (BZ)	0.20	B C44	0.0096	0.00064	ng/g
PCB 66 (BZ)	0.37		0.0096	0.00050	ng/g
PCB 67 (BZ)	0.0057	J	0.0096	0.00047	ng/g
PCB 68 (BZ)	0.023		0.0096	0.00048	ng/g
PCB 69 (BZ)	0.081	C49	0.0096	0.00059	ng/g
PCB 70 (BZ)	0.30	B C61	0.019	0.00051	ng/g
PCB 71 (BZ)	0.016	Q C40	0.0096	0.00071	ng/g
PCB 72 (BZ)	0.029		0.0096	0.00051	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 002 Work Order #....: M0XFN1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011
 Initial Wgt/Vol : 10.4 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0038	C43 J	0.0096	0.00067	ng/g
PCB 74 (BZ)	0.30	B C61	0.019	0.00051	ng/g
PCB 75 (BZ)	0.014	Q C59	0.0096	0.00051	ng/g
PCB 76 (BZ)	0.30	B C61	0.019	0.00051	ng/g
PCB 77 (BZ)	0.018		0.0096	0.00049	ng/g
PCB 78 (BZ)	ND		0.0096	0.00054	ng/g
PCB 79 (BZ)	0.0032	J	0.0096	0.00048	ng/g
PCB 80 (BZ)	ND		0.0096	0.00047	ng/g
PCB 81 (BZ)	0.00095	Q J	0.0096	0.00050	ng/g
PCB 82 (BZ)	0.0074	Q J	0.0096	0.0015	ng/g
PCB 83 (BZ)	0.79	C	0.0096	0.0013	ng/g
PCB 84 (BZ)	0.020	Q	0.0096	0.0014	ng/g
PCB 85 (BZ)	0.13	C	0.0096	0.0010	ng/g
PCB 86 (BZ)	0.29	C	0.0096	0.0011	ng/g
PCB 87 (BZ)	0.29	C86	0.0096	0.0011	ng/g
PCB 88 (BZ)	0.075	C	0.0096	0.0013	ng/g
PCB 89 (BZ)	ND		0.0096	0.0014	ng/g
PCB 90 (BZ)	0.93	C	0.0096	0.0011	ng/g
PCB 91 (BZ)	0.075	C88	0.0096	0.0013	ng/g
PCB 92 (BZ)	0.20		0.0096	0.0012	ng/g
PCB 93 (BZ)	ND		0.0096	0.0012	ng/g
PCB 94 (BZ)	ND		0.0096	0.0014	ng/g
PCB 95 (BZ)	0.26		0.0096	0.0013	ng/g
PCB 96 (BZ)	ND		0.0096	0.0010	ng/g
PCB 97 (BZ)	0.29	C86	0.0096	0.0011	ng/g
PCB 98 (BZ)	0.0049	Q C J	0.0096	0.0012	ng/g
PCB 99 (BZ)	0.79	C83	0.0096	0.0013	ng/g
PCB 100 (BZ)	ND		0.0096	0.0012	ng/g
PCB 101 (BZ)	0.93	C90	0.0096	0.0011	ng/g
PCB 102 (BZ)	0.0049	Q C98 J	0.0096	0.0012	ng/g
PCB 103 (BZ)	0.014		0.0096	0.0012	ng/g
PCB 104 (BZ)	ND		0.0096	0.00093	ng/g
PCB 105 (BZ)	0.19		0.0096	0.00059	ng/g
PCB 106 (BZ)	ND		0.0096	0.00060	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.079		0.0096	0.00058	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.034	C	0.0096	0.00062	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 002 Work Order #....: M0XFN1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011
 Initial Wgt/Vol : 10.4 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.29	C86	0.0096	0.0011	ng/g
PCB 110 (BZ)	0.19	C	0.0096	0.00092	ng/g
PCB 111 (BZ)	0.0048	Q J	0.0096	0.00087	ng/g
PCB 112 (BZ)	ND		0.0096	0.00095	ng/g
PCB 113 (BZ)	0.93	C90	0.0096	0.0011	ng/g
PCB 114 (BZ)	0.017		0.0096	0.00053	ng/g
PCB 115 (BZ)	0.19	C110	0.0096	0.00092	ng/g
PCB 116 (BZ)	0.13	C85	0.0096	0.0010	ng/g
PCB 117 (BZ)	0.13	C85	0.0096	0.0010	ng/g
PCB 118 (BZ)	0.91		0.0096	0.00056	ng/g
PCB 119 (BZ)	0.29	C86	0.0096	0.0011	ng/g
PCB 120 (BZ)	0.018		0.0096	0.00090	ng/g
PCB 121 (BZ)	ND		0.0096	0.00090	ng/g
PCB 122 (BZ)	0.0075	J	0.0096	0.00066	ng/g
PCB 123 (BZ)	0.013	Q	0.0096	0.00061	ng/g
PCB 124 (BZ)	0.034	C108	0.0096	0.00062	ng/g
PCB 125 (BZ)	0.29	C86	0.0096	0.0011	ng/g
PCB 126 (BZ)	0.0030	Q J	0.0096	0.00061	ng/g
PCB 127 (BZ)	0.0020	Q J	0.0096	0.00060	ng/g
PCB 128 (BZ)	0.098	C	0.0096	0.0012	ng/g
PCB 129 (BZ)	1.1	C	0.0096	0.0012	ng/g
PCB 130 (BZ)	0.064		0.0096	0.0016	ng/g
PCB 131 (BZ)	0.0020	Q J	0.0096	0.0016	ng/g
PCB 132 (BZ)	0.077		0.0096	0.0016	ng/g
PCB 133 (BZ)	0.034		0.0096	0.0015	ng/g
PCB 134 (BZ)	0.022	C	0.0096	0.0016	ng/g
PCB 135 (BZ)	0.21	C	0.0096	0.0015	ng/g
PCB 136 (BZ)	0.027		0.0096	0.0011	ng/g
PCB 137 (BZ)	0.050		0.0096	0.0014	ng/g
PCB 138 (BZ)	1.1	C129	0.0096	0.0012	ng/g
PCB 139 (BZ)	0.0085	C J	0.0096	0.0014	ng/g
PCB 140 (BZ)	0.0085	C139 J	0.0096	0.0014	ng/g
PCB 141 (BZ)	0.16		0.0096	0.0014	ng/g
PCB 142 (BZ)	ND		0.0096	0.0016	ng/g
PCB 143 (BZ)	0.022	C134	0.0096	0.0016	ng/g
PCB 144 (BZ)	0.028		0.0096	0.0014	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E230405 - 002 Work Order #....: M0XFN1AE Matrix....: TA
 Date Sampled....: 05/13/13 Date Received....: 05/23/13 Dilution Factor: 1
 Prep Date....: 05/24/13 Analysis Date....: 06/12/13
 Prep Batch #: 3144011
 Initial Wgt/Vol : 10.4 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS	
PCB 145 (BZ)	ND		0.0096	0.0011	ng/g	10
PCB 146 (BZ)	0.24		0.0096	0.0013	ng/g	11
PCB 147 (BZ)	0.43	C	0.0096	0.0013	ng/g	12
PCB 148 (BZ)	0.0042	Q J	0.0096	0.0015	ng/g	13
PCB 149 (BZ)	0.43	C147	0.0096	0.0013	ng/g	14
PCB 150 (BZ)	0.0022	Q J	0.0096	0.0010	ng/g	
PCB 151 (BZ)	0.21	C135	0.0096	0.0015	ng/g	
PCB 152 (BZ)	ND		0.0096	0.0010	ng/g	
PCB 153 (BZ)	1.1	C	0.0096	0.0011	ng/g	
PCB 154 (BZ)	0.032		0.0096	0.0012	ng/g	
PCB 155 (BZ)	ND		0.0096	0.0010	ng/g	
PCB 156 (BZ)	0.10	C	0.0096	0.0014	ng/g	
PCB 157 (BZ)	0.10	C156	0.0096	0.0014	ng/g	
PCB 158 (BZ)	0.055		0.0096	0.00098	ng/g	
PCB 159 (BZ)	0.0048	J	0.0096	0.0010	ng/g	
PCB 160 (BZ)	1.1	C129	0.0096	0.0012	ng/g	
PCB 161 (BZ)	ND		0.0096	0.0010	ng/g	
PCB 162 (BZ)	0.0054	Q J	0.0096	0.0010	ng/g	
PCB 163 (BZ)	1.1	C129	0.0096	0.0012	ng/g	
PCB 164 (BZ)	0.061		0.0096	0.0011	ng/g	
PCB 165 (BZ)	0.0036	Q J	0.0096	0.0011	ng/g	
PCB 166 (BZ)	0.098	C128	0.0096	0.0012	ng/g	
PCB 167 (BZ)	0.051		0.0096	0.00076	ng/g	
PCB 168 (BZ)	1.1	C153	0.0096	0.0011	ng/g	
PCB 169 (BZ)	0.0012	Q J	0.0096	0.00075	ng/g	
PCB 170 (BZ)	0.11		0.0096	0.0012	ng/g	
PCB 171 (BZ)	0.023	C	0.0096	0.0011	ng/g	
PCB 172 (BZ)	0.032		0.0096	0.0011	ng/g	
PCB 173 (BZ)	0.023	C171	0.0096	0.0011	ng/g	
PCB 174 (BZ)	0.10		0.0096	0.0010	ng/g	
PCB 175 (BZ)	0.0064	J	0.0096	0.00099	ng/g	
PCB 176 (BZ)	0.0095	Q J	0.0096	0.00075	ng/g	
PCB 177 (BZ)	0.089		0.0096	0.0011	ng/g	
PCB 178 (BZ)	0.067		0.0096	0.0011	ng/g	
PCB 179 (BZ)	0.039		0.0096	0.00079	ng/g	
PCB 180 (BZ)	0.36	C	0.0096	0.00084	ng/g	

TestAmerica Pittsburgh

Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E230405 - 002	Work Order #....:	M0XFN1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0033	Q J	0.0096	0.00099	ng/g
PCB 182 (BZ)	0.0045	Q J	0.0096	0.00096	ng/g
PCB 183 (BZ)	0.10	C	0.0096	0.00098	ng/g
PCB 184 (BZ)	ND		0.0096	0.00081	ng/g
PCB 185 (BZ)	0.10	C183	0.0096	0.00098	ng/g
PCB 186 (BZ)	ND		0.0096	0.00079	ng/g
PCB 187 (BZ)	0.41		0.0096	0.00092	ng/g
PCB 188 (BZ)	0.0046	J	0.0096	0.00070	ng/g
PCB 189 (BZ)	0.0066	Q J	0.0096	0.00075	ng/g
PCB 190 (BZ)	0.035		0.0096	0.00076	ng/g
PCB 191 (BZ)	0.0075	Q J	0.0096	0.00075	ng/g
PCB 192 (BZ)	ND		0.0096	0.00084	ng/g
PCB 193 (BZ)	0.36	C180	0.0096	0.00084	ng/g
PCB 194 (BZ)	0.050		0.0096	0.00081	ng/g
PCB 195 (BZ)	0.020		0.0096	0.00088	ng/g
PCB 196 (BZ)	0.027		0.0096	0.00071	ng/g
PCB 197 (BZ)	0.0049	J	0.0096	0.00053	ng/g
PCB 198 (BZ)	0.098	C	0.0096	0.00073	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.098	C198	0.0096	0.00073	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0047	J	0.0096	0.00052	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.015		0.0096	0.00050	ng/g
PCB 202 (BZ)	0.035		0.0096	0.00056	ng/g
PCB 203 (BZ)	0.041		0.0096	0.00065	ng/g
PCB 204 (BZ)	ND		0.0096	0.00055	ng/g
PCB 205 (BZ)	0.0036	Q J	0.0096	0.00068	ng/g
PCB 206 (BZ)	0.038		0.0096	0.00091	ng/g
PCB 207 (BZ)	0.0071	J	0.0096	0.00062	ng/g
PCB 208 (BZ)	0.024		0.0096	0.00063	ng/g
PCB 209 (BZ)	0.043		0.0096	0.0011	ng/g

TestAmerica Pittsburgh**Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E230405 - 002	Work Order #....:	M0XFN1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	54	30 - 140
13C12-PCB 3	54	30 - 140
13C12-PCB 4	69	30 - 140
13C12-PCB 15	76	30 - 140
13C12-PCB 19	69	30 - 140
13C12-PCB 37	76	30 - 140
13C12-PCB 54	74	30 - 140
13C12-PCB 77	94	30 - 140
13C12-PCB 81	91	30 - 140
13C12-PCB 104	61	30 - 140
13C12-PCB 105	67	30 - 140
13C12-PCB 114	74	30 - 140
13C12-PCB 118	72	30 - 140
13C12-PCB 123	70	30 - 140
13C12-PCB 126	71	30 - 140
13C12-PCB 155	91	30 - 140
13C12-PCB 156	81	C
13C12-PCB 157	81	C
13C12-PCB 167	80	30 - 140
13C12-PCB 169	84	30 - 140
13C12-PCB 170	84	30 - 140
13C12-PCB 188	85	30 - 140
13C12-PCB 189	94	30 - 140
13C12-PCB 202	98	30 - 140
13C12-PCB 205	76	30 - 140
13C12-PCB 206	88	30 - 140
13C12-PCB 208	95	30 - 140
13C12-PCB 209	81	30 - 140
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	79	40 - 125
13C12-PCB 111	90	40 - 125
13C12-PCB 178	86	40 - 125

30 1

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TestAmerica Pittsburgh**Sample ID: 055364-T2-05-13-13-FT-CRAYFISH-1(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E230405 - 002	Work Order #....:	M0XFN1AE	Matrix....:	TA
Date Sampled....:	05/13/13	Date Received....:	05/23/13	Dilution Factor:	1
Prep Date....:	05/24/13	Analysis Date....:	06/12/13		
Prep Batch #:	3144011				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E240000 - 011B

Work Order #....: M0XQ91AA

Matrix....: BIOLOGICAL

Dilution Factor: 1

Prep Date....: 05/24/13

Analysis Date....: 06/11/13

Prep Batch #: 3144011

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00063	Q J	0.010	0.00015	ng/g
PCB 2 (BZ)	ND		0.010	0.00017	ng/g
PCB 3 (BZ)	0.00051	Q J	0.010	0.00019	ng/g
PCB 4 (BZ)	ND		0.020	0.0012	ng/g
PCB 5 (BZ)	ND		0.010	0.00097	ng/g
PCB 6 (BZ)	ND		0.010	0.00092	ng/g
PCB 7 (BZ)	0.00074	Q J	0.010	0.00094	ng/g
PCB 8 (BZ)	0.0015	Q J	0.020	0.00090	ng/g
PCB 9 (BZ)	ND		0.010	0.00095	ng/g
PCB 10 (BZ)	ND		0.010	0.0010	ng/g
PCB 11 (BZ)	0.0023	Q J	0.020	0.00090	ng/g
PCB 12 (BZ)	ND		0.010	0.00092	ng/g
PCB 13 (BZ)	ND		0.010	0.00092	ng/g
PCB 14 (BZ)	ND		0.010	0.00080	ng/g
PCB 15 (BZ)	0.00073	Q J	0.010	0.00099	ng/g
PCB 16 (BZ)	ND		0.010	0.00057	ng/g
PCB 17 (BZ)	ND		0.010	0.00048	ng/g
PCB 18 (BZ)	ND		0.020	0.00042	ng/g
PCB 19 (BZ)	ND		0.010	0.00059	ng/g
PCB 20 (BZ)	0.00068	Q C J	0.020	0.00032	ng/g
PCB 21 (BZ)	ND		0.010	0.00032	ng/g
PCB 22 (BZ)	ND		0.010	0.00032	ng/g
PCB 23 (BZ)	ND		0.010	0.00033	ng/g
PCB 24 (BZ)	ND		0.010	0.00040	ng/g
PCB 25 (BZ)	ND		0.010	0.00029	ng/g
PCB 26 (BZ)	ND		0.010	0.00031	ng/g
PCB 27 (BZ)	ND		0.010	0.00035	ng/g
PCB 28 (BZ)	0.00068	Q C20 J	0.020	0.00032	ng/g
PCB 29 (BZ)	ND		0.010	0.00031	ng/g
PCB 30 (BZ)	ND		0.020	0.00042	ng/g
PCB 31 (BZ)	0.00076	J	0.020	0.00031	ng/g
PCB 32 (BZ)	ND		0.010	0.00034	ng/g
PCB 33 (BZ)	ND		0.010	0.00032	ng/g
PCB 34 (BZ)	ND		0.010	0.00032	ng/g
PCB 35 (BZ)	ND		0.010	0.00033	ng/g
PCB 36 (BZ)	ND		0.010	0.00032	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E240000 - 011B

Work Order #....: M0XQ91AA

Matrix....: BIOLOGICAL

Dilution Factor: 1

Prep Date....: 05/24/13

Analysis Date....: 06/11/13

Prep Batch #: 3144011

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.010	0.00033	ng/g
PCB 38 (BZ)	ND		0.010	0.00034	ng/g
PCB 39 (BZ)	ND		0.010	0.00030	ng/g
PCB 40 (BZ)	ND		0.010	0.00052	ng/g
PCB 41 (BZ)	ND		0.010	0.00052	ng/g
PCB 42 (BZ)	ND		0.010	0.00053	ng/g
PCB 43 (BZ)	ND		0.010	0.00048	ng/g
PCB 44 (BZ)	0.0012	C J	0.010	0.00046	ng/g
PCB 45 (BZ)	ND		0.010	0.00054	ng/g
PCB 46 (BZ)	ND		0.010	0.00063	ng/g
PCB 47 (BZ)	0.0012	C44 J	0.010	0.00046	ng/g
PCB 48 (BZ)	ND		0.010	0.00051	ng/g
PCB 49 (BZ)	ND		0.010	0.00043	ng/g
PCB 50 (BZ)	ND		0.010	0.00050	ng/g
PCB 51 (BZ)	ND		0.010	0.00054	ng/g
PCB 52 (BZ)	ND		0.010	0.00050	ng/g
PCB 53 (BZ)	ND		0.010	0.00050	ng/g
PCB 54 (BZ)	ND		0.010	0.00048	ng/g
PCB 55 (BZ)	ND		0.010	0.00040	ng/g
PCB 56 (BZ)	ND		0.010	0.00038	ng/g
PCB 57 (BZ)	ND		0.010	0.00038	ng/g
PCB 58 (BZ)	ND		0.010	0.00038	ng/g
PCB 59 (BZ)	ND		0.010	0.00037	ng/g
PCB 60 (BZ)	ND		0.010	0.00039	ng/g
PCB 61 (BZ)	0.0015	C J	0.020	0.00037	ng/g
PCB 62 (BZ)	ND		0.010	0.00037	ng/g
PCB 63 (BZ)	ND		0.010	0.00035	ng/g
PCB 64 (BZ)	ND		0.010	0.00035	ng/g
PCB 65 (BZ)	0.0012	C44 J	0.010	0.00046	ng/g
PCB 66 (BZ)	ND		0.010	0.00037	ng/g
PCB 67 (BZ)	ND		0.010	0.00034	ng/g
PCB 68 (BZ)	ND		0.010	0.00035	ng/g
PCB 69 (BZ)	ND		0.010	0.00043	ng/g
PCB 70 (BZ)	0.0015	C61 J	0.020	0.00037	ng/g
PCB 71 (BZ)	ND		0.010	0.00052	ng/g
PCB 72 (BZ)	ND		0.010	0.00037	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E240000 - 011B
Dilution Factor: 1
Prep Date....: 05/24/13
Prep Batch #: 3144011
Initial Wgt/Vol : 10 g
Analyst ID....: Jon M. Nordquist

Work Order #....: M0XQ91AA
Analysis Date....: 06/11/13
Instrument ID....: M1D
Method: EPA-22 1668A

Matrix....: BIOLOGICAL

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND	0.010	0.00048	ng/g
PCB 74 (BZ)	0.0015	C61 J	0.00037	ng/g
PCB 75 (BZ)	ND	0.010	0.00037	ng/g
PCB 76 (BZ)	0.0015	C61 J	0.00037	ng/g
PCB 77 (BZ)	ND	0.010	0.00036	ng/g
PCB 78 (BZ)	ND	0.010	0.00039	ng/g
PCB 79 (BZ)	ND	0.010	0.00035	ng/g
PCB 80 (BZ)	ND	0.010	0.00034	ng/g
PCB 81 (BZ)	ND	0.010	0.00036	ng/g
PCB 82 (BZ)	ND	0.010	0.00068	ng/g
PCB 83 (BZ)	ND	0.010	0.00057	ng/g
PCB 84 (BZ)	ND	0.010	0.00065	ng/g
PCB 85 (BZ)	ND	0.010	0.00047	ng/g
PCB 86 (BZ)	ND	0.010	0.00048	ng/g
PCB 87 (BZ)	ND	0.010	0.00048	ng/g
PCB 88 (BZ)	ND	0.010	0.00058	ng/g
PCB 89 (BZ)	ND	0.010	0.00063	ng/g
PCB 90 (BZ)	ND	0.010	0.00049	ng/g
PCB 91 (BZ)	ND	0.010	0.00058	ng/g
PCB 92 (BZ)	ND	0.010	0.00055	ng/g
PCB 93 (BZ)	ND	0.010	0.00056	ng/g
PCB 94 (BZ)	ND	0.010	0.00063	ng/g
PCB 95 (BZ)	ND	0.010	0.00059	ng/g
PCB 96 (BZ)	ND	0.010	0.00047	ng/g
PCB 97 (BZ)	ND	0.010	0.00048	ng/g
PCB 98 (BZ)	ND	0.010	0.00054	ng/g
PCB 99 (BZ)	ND	0.010	0.00057	ng/g
PCB 100 (BZ)	ND	0.010	0.00056	ng/g
PCB 101 (BZ)	ND	0.010	0.00049	ng/g
PCB 102 (BZ)	ND	0.010	0.00054	ng/g
PCB 103 (BZ)	ND	0.010	0.00055	ng/g
PCB 104 (BZ)	ND	0.010	0.00042	ng/g
PCB 105 (BZ)	ND	0.010	0.00034	ng/g
PCB 106 (BZ)	ND	0.010	0.00037	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND	0.010	0.00036	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND	0.010	0.00037	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E240000 - 011B **Work Order #....:** M0XQ91AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 05/24/13 **Analysis Date....:** 06/11/13
Prep Batch #: 3144011
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	ND	0.010	0.00048	ng/g
PCB 110 (BZ)	ND	0.010	0.00041	ng/g
PCB 111 (BZ)	ND	0.010	0.00039	ng/g
PCB 112 (BZ)	ND	0.010	0.00043	ng/g
PCB 113 (BZ)	ND	0.010	0.00049	ng/g
PCB 114 (BZ)	ND	0.010	0.00033	ng/g
PCB 115 (BZ)	ND	0.010	0.00041	ng/g
PCB 116 (BZ)	ND	0.010	0.00047	ng/g
PCB 117 (BZ)	ND	0.010	0.00047	ng/g
PCB 118 (BZ)	ND	0.010	0.00034	ng/g
PCB 119 (BZ)	ND	0.010	0.00048	ng/g
PCB 120 (BZ)	ND	0.010	0.00040	ng/g
PCB 121 (BZ)	ND	0.010	0.00041	ng/g
PCB 122 (BZ)	ND	0.010	0.00040	ng/g
PCB 123 (BZ)	ND	0.010	0.00038	ng/g
PCB 124 (BZ)	ND	0.010	0.00037	ng/g
PCB 125 (BZ)	ND	0.010	0.00048	ng/g
PCB 126 (BZ)	ND	0.010	0.00037	ng/g
PCB 127 (BZ)	ND	0.010	0.00036	ng/g
PCB 128 (BZ)	ND	0.010	0.00062	ng/g
PCB 129 (BZ)	ND	0.010	0.00064	ng/g
PCB 130 (BZ)	ND	0.010	0.00083	ng/g
PCB 131 (BZ)	ND	0.010	0.00085	ng/g
PCB 132 (BZ)	ND	0.010	0.00081	ng/g
PCB 133 (BZ)	ND	0.010	0.00078	ng/g
PCB 134 (BZ)	ND	0.010	0.00083	ng/g
PCB 135 (BZ)	ND	0.010	0.00069	ng/g
PCB 136 (BZ)	ND	0.010	0.00051	ng/g
PCB 137 (BZ)	ND	0.010	0.00072	ng/g
PCB 138 (BZ)	ND	0.010	0.00064	ng/g
PCB 139 (BZ)	ND	0.010	0.00071	ng/g
PCB 140 (BZ)	ND	0.010	0.00071	ng/g
PCB 141 (BZ)	ND	0.010	0.00074	ng/g
PCB 142 (BZ)	ND	0.010	0.00082	ng/g
PCB 143 (BZ)	ND	0.010	0.00083	ng/g
PCB 144 (BZ)	ND	0.010	0.00064	ng/g

Method Blank Report**Trace Level Organic Compounds****Lot - Sample #....:** H3E240000 - 011B**Work Order #....:** M0XQ91AA**Matrix....:** BIOLOGICAL**Dilution Factor:** 1**Prep Date....:** 05/24/13**Analysis Date....:** 06/11/13**Prep Batch #:** 3144011**Initial Wgt/Vol :** 10 g**Instrument ID....:** M1D**Method:** EPA-22 1668A**Analyst ID....:** Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.010	0.00049	ng/g
PCB 146 (BZ)	ND	0.010	0.00068	ng/g
PCB 147 (BZ)	ND	0.010	0.00069	ng/g
PCB 148 (BZ)	ND	0.010	0.00068	ng/g
PCB 149 (BZ)	ND	0.010	0.00069	ng/g
PCB 150 (BZ)	ND	0.010	0.00047	ng/g
PCB 151 (BZ)	ND	0.010	0.00069	ng/g
PCB 152 (BZ)	ND	0.010	0.00048	ng/g
PCB 153 (BZ)	ND	0.010	0.00056	ng/g
PCB 154 (BZ)	ND	0.010	0.00056	ng/g
PCB 155 (BZ)	ND	0.010	0.00046	ng/g
PCB 156 (BZ)	ND	0.010	0.00073	ng/g
PCB 157 (BZ)	ND	0.010	0.00073	ng/g
PCB 158 (BZ)	ND	0.010	0.00051	ng/g
PCB 159 (BZ)	ND	0.010	0.00054	ng/g
PCB 160 (BZ)	ND	0.010	0.00064	ng/g
PCB 161 (BZ)	ND	0.010	0.00054	ng/g
PCB 162 (BZ)	ND	0.010	0.00054	ng/g
PCB 163 (BZ)	ND	0.010	0.00064	ng/g
PCB 164 (BZ)	ND	0.010	0.00057	ng/g
PCB 165 (BZ)	ND	0.010	0.00060	ng/g
PCB 166 (BZ)	ND	0.010	0.00062	ng/g
PCB 167 (BZ)	ND	0.010	0.00041	ng/g
PCB 168 (BZ)	ND	0.010	0.00056	ng/g
PCB 169 (BZ)	ND	0.010	0.00037	ng/g
PCB 170 (BZ)	ND	0.010	0.00063	ng/g
PCB 171 (BZ)	ND	0.010	0.00064	ng/g
PCB 172 (BZ)	ND	0.010	0.00064	ng/g
PCB 173 (BZ)	ND	0.010	0.00064	ng/g
PCB 174 (BZ)	ND	0.010	0.00060	ng/g
PCB 175 (BZ)	ND	0.010	0.00057	ng/g
PCB 176 (BZ)	ND	0.010	0.00044	ng/g
PCB 177 (BZ)	ND	0.010	0.00061	ng/g
PCB 178 (BZ)	ND	0.010	0.00062	ng/g
PCB 179 (BZ)	ND	0.010	0.00046	ng/g
PCB 180 (BZ)	ND	0.010	0.00049	ng/g

Method Blank Report**Trace Level Organic Compounds****Lot - Sample #....:** H3E240000 - 011B**Work Order #....:** M0XQ91AA**Matrix....:** BIOLOGICAL**Dilution Factor:** 1**Prep Date....:** 05/24/13**Analysis Date....:** 06/11/13**Prep Batch #:** 3144011**Initial Wgt/Vol :** 10 g**Instrument ID....:** M1D**Method:** EPA-22 1668A**Analyst ID....:** Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND	0.010	0.00057	ng/g
PCB 182 (BZ)	ND	0.010	0.00056	ng/g
PCB 183 (BZ)	ND	0.010	0.00057	ng/g
PCB 184 (BZ)	ND	0.010	0.00047	ng/g
PCB 185 (BZ)	ND	0.010	0.00057	ng/g
PCB 186 (BZ)	ND	0.010	0.00046	ng/g
PCB 187 (BZ)	ND	0.010	0.00053	ng/g
PCB 188 (BZ)	ND	0.010	0.00042	ng/g
PCB 189 (BZ)	ND	0.010	0.00037	ng/g
PCB 190 (BZ)	ND	0.010	0.00044	ng/g
PCB 191 (BZ)	ND	0.010	0.00044	ng/g
PCB 192 (BZ)	ND	0.010	0.00049	ng/g
PCB 193 (BZ)	ND	0.010	0.00049	ng/g
PCB 194 (BZ)	ND	0.010	0.00055	ng/g
PCB 195 (BZ)	ND	0.010	0.00059	ng/g
PCB 196 (BZ)	ND	0.010	0.00056	ng/g
PCB 197 (BZ)	ND	0.010	0.00042	ng/g
PCB 198 (BZ)	ND	0.010	0.00058	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND	0.010	0.00058	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND	0.010	0.00041	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND	0.010	0.00040	ng/g
PCB 202 (BZ)	ND	0.010	0.00045	ng/g
PCB 203 (BZ)	ND	0.010	0.00052	ng/g
PCB 204 (BZ)	ND	0.010	0.00043	ng/g
PCB 205 (BZ)	ND	0.010	0.00046	ng/g
PCB 206 (BZ)	ND	0.010	0.00058	ng/g
PCB 207 (BZ)	ND	0.010	0.00041	ng/g
PCB 208 (BZ)	ND	0.010	0.00042	ng/g
PCB 209 (BZ)	ND	0.010	0.00049	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E240000 - 011B
Dilution Factor: 1
Prep Date....: 05/24/13
Prep Batch #: 3144011
Initial Wgt/Vol : 10 g
Analyst ID....: Jon M. Nordquist

Work Order #....: M0XQ91AA **Matrix....:** BIOLOGICAL
Analysis Date....: 06/11/13
Instrument ID....: M1D **Method:** EPA-22 1668A

INTERNAL STANDARDS

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	53	30 - 140
13C12-PCB 3	51	30 - 140
13C12-PCB 4	65	30 - 140
13C12-PCB 15	64	30 - 140
13C12-PCB 19	65	30 - 140
13C12-PCB 37	66	30 - 140
13C12-PCB 54	71	30 - 140
13C12-PCB 77	66	30 - 140
13C12-PCB 81	66	30 - 140
13C12-PCB 104	68	30 - 140
13C12-PCB 105	67	30 - 140
13C12-PCB 114	67	30 - 140
13C12-PCB 118	65	30 - 140
13C12-PCB 123	64	30 - 140
13C12-PCB 126	65	30 - 140
13C12-PCB 155	85	30 - 140
13C12-PCB 156	78	C
13C12-PCB 157	78	C
13C12-PCB 167	76	30 - 140
13C12-PCB 169	84	30 - 140
13C12-PCB 170	79	30 - 140
13C12-PCB 188	78	30 - 140
13C12-PCB 189	75	30 - 140
13C12-PCB 202	93	30 - 140
13C12-PCB 205	64	30 - 140
13C12-PCB 206	77	30 - 140
13C12-PCB 208	79	30 - 140
13C12-PCB 209	74	30 - 140

SURROGATE

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	77	40 - 125
13C12-PCB 111	81	40 - 125
13C12-PCB 178	84	40 - 125

Method Blank Report**Trace Level Organic Compounds****Lot - Sample #....:** H3E240000 - 011B**Work Order #....:** M0XQ91AA**Matrix....:** BIOLOGICAL**Dilution Factor:** 1**Prep Date....:** 05/24/13**Analysis Date....:** 06/11/13**Prep Batch #:** 3144011**Initial Wgt/Vol :** 10 g**Instrument ID....:** M1D**Method:** EPA-22 1668A**Analyst ID....:** Jon M. Nordquist**QUALIFIERS**

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	H3E230405	Work Order # ...:	M0XQ91AC-LCS	Matrix	BIOLOGICA
LCS Lot-Sample# :	H3E240000 - 011				
Prep Date	05/24/13	Analysis Date ..:	06/11/13		
Prep Batch # ...:	3144011				
Dilution Factor :	1				
Analyst ID.....:	Jon M. Nordquist	Instrument ID..:	M1D	Method.....:	EPA-22 1668A
Initial Wgt/Vol:	10 g				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	
PCB 1 (BZ)	0.500	0.419	ng/g	84 B	(50 - 150)	
PCB 3 (BZ)	0.500	0.440	ng/g	88 B	(50 - 150)	
PCB 4 (BZ)	0.500	0.471	ng/g	94	(50 - 150)	
PCB 15 (BZ)	0.500	0.488	ng/g	98 B	(50 - 150)	
PCB 19 (BZ)	0.500	0.494	ng/g	99	(50 - 150)	
PCB 37 (BZ)	0.500	0.525	ng/g	105	(50 - 150)	
PCB 54 (BZ)	0.500	0.483	ng/g	97	(50 - 150)	
PCB 77 (BZ)	0.500	0.495	ng/g	99	(50 - 150)	
PCB 81 (BZ)	0.500	0.488	ng/g	98	(50 - 150)	
PCB 104 (BZ)	0.500	0.499	ng/g	100	(50 - 150)	
PCB 105 (BZ)	0.500	0.536	ng/g	107	(50 - 150)	
PCB 114 (BZ)	0.500	0.560	ng/g	112	(50 - 150)	
PCB 118 (BZ)	0.500	0.528	ng/g	106	(50 - 150)	
PCB 123 (BZ)	0.500	0.556	ng/g	111	(50 - 150)	
PCB 126 (BZ)	0.500	0.586	ng/g	117	(50 - 150)	
PCB 155 (BZ)	0.500	0.489	ng/g	98	(50 - 150)	
PCB 156 (BZ)	1.00	1.08	ng/g	108 C	(50 - 150)	
PCB 157 (BZ)	1.00	1.08	ng/g	108 C C156	(50 - 150)	
PCB 167 (BZ)	0.500	0.551	ng/g	110	(50 - 150)	
PCB 169 (BZ)	0.500	0.509	ng/g	102	(50 - 150)	
PCB 188 (BZ)	0.500	0.484	ng/g	97	(50 - 150)	
PCB 189 (BZ)	0.500	0.575	ng/g	115	(50 - 150)	
PCB 202 (BZ)	0.500	0.476	ng/g	95	(50 - 150)	
PCB 205 (BZ)	0.500	0.601	ng/g	120	(50 - 150)	
PCB 206 (BZ)	0.500	0.474	ng/g	95	(50 - 150)	
PCB 208 (BZ)	0.500	0.492	ng/g	98	(50 - 150)	
PCB 209 (BZ)	0.500	0.578	ng/g	116	(50 - 150)	

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	59	(30 - 140)
13C12-PCB 3	59	(30 - 140)
13C12-PCB 4	72	(30 - 140)
13C12-PCB 15	75	(30 - 140)
13C12-PCB 19	74	(30 - 140)
13C12-PCB 37	76	(30 - 140)
13C12-PCB 54	83	(30 - 140)
13C12-PCB 77	79	(30 - 140)
13C12-PCB 81	77	(30 - 140)
13C12-PCB 104	77	(30 - 140)
13C12-PCB 105	77	(30 - 140)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: H3E230405
LCS Lot-Sample# : H3E240000 - 011

Work Order # ...: M0XQ91AC-LCS

Matrix: BIOLOGICA

INTERNAL STANDARD

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 114	76	(30 - 140)
13C12-PCB 118	75	(30 - 140)
13C12-PCB 123	74	(30 - 140)
13C12-PCB 126	74	(30 - 140)
13C12-PCB 155	93	(30 - 140)
13C12-PCB 156	86 C	(30 - 140)
13C12-PCB 157	86 C	(30 - 140)
13C12-PCB 167	84	(30 - 140)
13C12-PCB 169	92	(30 - 140)
13C12-PCB 170	87	(30 - 140)
13C12-PCB 188	87	(30 - 140)
13C12-PCB 189	82	(30 - 140)
13C12-PCB 202	101	(30 - 140)
13C12-PCB 205	75	(30 - 140)
13C12-PCB 206	94	(30 - 140)
13C12-PCB 208	87	(30 - 140)
13C12-PCB 209	88	(30 - 140)

SURROGATE

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	78	(40 - 125)
13C12-PCB 111	82	(40 - 125)
13C12-PCB 178	84	(40 - 125)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

Sample Receipt Documentation

TestAmerica Pittsburgh

301 Alpha Drive RIDC Park

Pittsburgh, PA 15238

Phone (412) 963-7058 Fax (412) 963-2468

113E230405
Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:	Lab PM: Colussy, Jill L	Carrier Tracking No(s):	COC No: 180-106707.1										
Client Contact: Shipping/Receiving	Phone:	E-Mail: jill.colussy@testamericainc.com			Page: Page 1 of 1										
Company: TestAmerica Laboratories, Inc.		Analysis Requested			Job #: 180-21227-1										
Address: 5815 Middlebrook Pike,	Due Date Requested: 6/14/2013	TAT Requested (days):	Preservation Codes:												
City: Knoxville			A - HCL	M - Hexane											
State, Zip: TN, 37921			B - NaOH	N - None											
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:		C - Zn Acetate	O - AsNaO2											
Email:	WO #:		D - Nitric Acid	P - Na2O4S											
Project Name: 0055364, Devils Swamp	Project #: 18009365		E - NaHSO4	Q - Na2SO3											
Site:	SSOW#:		F - MeOH	R - Na2S2O3											
			G - Amchlor	S - H2SO4											
			H - Ascorbic Acid	T - TSP Dodecahydrate											
			I - Ice	U - Acetone											
			J - DI Water	V - MCAA											
			K - EDTA	W - ph 4-5											
			L - EDA	Z - other (specify)											
			Other:												
Special Instructions/Note:															
<p>055364-T2-05-13-13-FT-CRAYFISH-1(T) (180-21227-1) 5/13/13 12:10 Eastern Tissue X includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge</p> <p>055364-T2-05-13-13-FT-CRAYFISH-1(O) (180-21227-2) 5/13/13 12:00 Eastern Tissue X includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge</p> <p>1 cooler ready 0.3°C with cutlery bag 5/23/13</p> <p>1 cooler FedEx + 134269769639</p>															
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)												
Unconfirmed			<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months										
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/QC Requirements:												
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:												
Relinquished by: <i>Emily C. Delee</i>	Date/Time: 5/20/13 17:00	Company: TAP	Received by: <i>Grace P. Hale</i>	Date/Time: 5/23/13 09:10	Company: TAP										
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:										
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:										
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No.: <input type="checkbox"/>												
			Cooler Temperature(s) °C and Other Remarks:												
			4	3	12	10	9	8	7	6	5	4	3	2	1

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST
 Lot Number: H3E 230405

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	/			<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other:	✓
2. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C)	/			<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?		/		<input type="checkbox"/> 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?	/	/		<input type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?	/			<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	/			<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?		/		<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	/			<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary?		/		<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	/			<input type="checkbox"/> 10a Holding time expired	
11. For rad samples, was sample activity info. provided?		/		<input type="checkbox"/> Incomplete information	
12. For 1613B water samples is pH<9?			/	If no, was pH adjusted to pH 7 - 9 with sulfuric acid?	
13. Are the shipping containers intact?	/			<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	/			<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?	/			<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?	/			<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?	/			<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?	/		/	<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?				<input type="checkbox"/> 19a Other	
Quote #: <u>910633</u>	PM Instructions: <u>NA</u>				

Sample Receiving Associate: George P. Johnson

Date: 5/23/13

QA026R23.doc, 022812



**CONESTOGA-ROVERS
& ASSOCIATES**

3.5 15

CHAIN OF CUSTODY RECORD

Address: 5551 Corporate Blvd, Ste 200, Baton Rouge, LA

Phone: 225-292-9007

Fax: _____

COC NO.: **28304**

PAGE 1 OF 1

(See Reverse Side for Instructions)

7/19/2013

Project No/ Phase/Task Code: 055364 100/00				Laboratory Name: TEST AMERICA				Lab Location: PITTSBURGH				SSOW ID:							
Project Name: DEVIL'S SWAMP LAKE SITE				Lab Contact: JILL COLUSSY				Lab Quote No:				Cooler No:							
Project Location: BATON ROUGE, LA				SAMPLE TYPE				CONTAINER QUANTITY & PRESERVATION				ANALYSIS REQUESTED (See Back of COC for Definitions)				Carrier:			
Chemistry Contact: DEBBIE BRENNAN																Airbill No:			
Sampler(s): B. Turk																Date Shipped:			
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	Encores 3x5-g, 1x25-g	Other:	Total Containers/Sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:	
1	055364-T2-05-13-13 FT-CAWFISH-1(G)			05/13/13	12:10	FT	C	X											
2	055364-T2-05-13-13 FT-CAWFISH-1(G)			05/13/13	12:00	FT	C	X											
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
TAT Required in business days (use separate COCs for different TATs):								Total Number of Containers: <u>1</u>				Notes/ Special Requirements:							
<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input type="checkbox"/> Other:												All Samples in Cooler must be on COC							

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
<u>Dale B. RL</u>	<u>CRA</u>	<u>5/14/14</u>	<u>0845</u>	<u>Q. W.</u>	<u>TIA PCH</u>	<u>5/15/14</u>	<u>850</u>
				1.			
				2.			
				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 180-21227-1

Login Number: 21227

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Colussy, Jill L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-21423-1

Client Project/Site: 0055364, Devils Swamp

For:

Conestoga-Rovers & Associates, Inc.

9033 Meridian Way

West Chester, Ohio 45069

Attn: Deborah Brennan

Kathy Myers

Authorized for release by:

7/15/2013 2:37:21 PM

Kathy Myers, Project Mgmt. Assistant

(412)963-2447

kathy.myers@testamericainc.com

Designee for

Jill Colussy, Project Manager I

jill.colussy@testamericainc.com

LINKS

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results through

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The
Expert

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Job ID: 180-21423-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 0055364, Devils Swamp

Report Number: 180-21423-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/21/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 C.

SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)

Due to technician error, the wrong initial amount of sample was extracted. The RL's and MDL's have been adjusted accordingly. The actual RL's are lower than what we normally report for 8270 tissues by a factor of 1.7.

Samples 055364-T2-52013-FT-CRAWFISH-2(T) (180-21423-1)[5X] and 055364-T2-52013-FT-CRAWFISH-3(T) (180-21423-3)[5X] were analyzed at a dilution due to matrix. The reporting limits have been adjusted accordingly.

METALS

The blanks had arsenic and/or lead detected at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

PERCENT MOISTURE

No difficulties were encountered during the \percent moisture analysis.

PERCENT LIPIDS

No difficulties were encountered during the % lipids analysis.

SUBCONTRACTED WORK

Method TISSUE-PCB CONGENER BY 1668A-209: This method was subcontracted to TestAmerica Knoxville. The subcontract certification is different from those listed on the TestAmerica cover page of this final report.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.

TestAmerica Job ID: 180-21423-1

Project/Site: 0055364, Devils Swamp

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13 *
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14
Illinois	NELAP	5	002602	06-30-13 *
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13 *
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-14
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13 *

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pittsburgh

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Tissue	05/20/13 12:00	05/21/13 09:30
180-21423-2	055364-T2-52013-FT-CRAWFISH-2(0)	Tissue	05/20/13 12:05	05/21/13 09:30
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Tissue	05/20/13 12:10	05/21/13 09:30
180-21423-4	055364-T2-52013-FT-CRAWFISH-3(0)	Tissue	05/20/13 12:15	05/21/13 09:30
180-21423-5	055364-T2-52013-FT-CRAWFISH-4(T)	Tissue	05/20/13 12:20	05/21/13 09:30
180-21423-6	055364-T2-52013-FT-CRAWFISH-4(0)	Tissue	05/20/13 12:25	05/21/13 09:30

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL PIT
6020	Metals (ICP/MS)	SW846	TAL PIT
7471A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
Lipids	Percent Lipids	TestAmerica SOP	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Lab Sample ID: 180-21423-1

Matrix: Tissue

Date Collected: 05/20/13 12:00

Date Received: 05/21/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			25.1 g	10.0 mL	73274	05/30/13 03:45	KLG	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	0.5 mL	73281	05/30/13 07:13	BAP	TAL PIT
Total/NA	Analysis	8270C LL Instrument ID: 732		5			73988	06/05/13 13:35	CA1	TAL PIT
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	7471A			00000.62 g	100 mL	74994	06/17/13 10:10	WAH	TAL PIT
Total/NA	Analysis	7471A Instrument ID: G		1			75017	06/17/13 12:23	WAH	TAL PIT
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3050B			00001.05 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020 Instrument ID: M		1			75552	06/22/13 17:44	WTR	TAL PIT
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Analysis	Lipids Instrument ID: NOEQUIP		1			73674	05/30/13 04:10	JWM	TAL PIT
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	2540G Instrument ID: NOEQUIP		1			75298	06/19/13 19:34	JWM	TAL PIT

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(0)

Lab Sample ID: 180-21423-2

Matrix: Tissue

Date Collected: 05/20/13 12:05

Date Received: 05/21/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Analysis	Lipids Instrument ID: NOEQUIP		1			73674	05/30/13 04:10	JWM	TAL PIT
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	2540G Instrument ID: NOEQUIP		1			75298	06/19/13 19:34	JWM	TAL PIT

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Lab Sample ID: 180-21423-3

Matrix: Tissue

Date Collected: 05/20/13 12:10

Date Received: 05/21/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			25.1 g	10.0 mL	73274	05/30/13 03:45	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Date Collected: 05/20/13 12:10

Date Received: 05/21/13 09:30

Lab Sample ID: 180-21423-3

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3640A			5.0 mL	0.5 mL	73281	05/30/13 07:13	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			73988	06/05/13 14:03	CA1	TAL PIT
		Instrument ID: 732								
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	7471A			00000.62 g	100 mL	74994	06/17/13 10:10	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75017	06/17/13 12:29	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3050B			00001.01 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75552	06/22/13 17:49	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	2540G		1			75298	06/19/13 19:34	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-3(0)

Date Collected: 05/20/13 12:15

Date Received: 05/21/13 09:30

Lab Sample ID: 180-21423-4

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	2540G		1			75298	06/19/13 19:34	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Date Collected: 05/20/13 12:20

Date Received: 05/21/13 09:30

Lab Sample ID: 180-21423-5

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.2 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Lab Sample ID: 180-21423-5

Matrix: Tissue

Date Collected: 05/20/13 12:20

Date Received: 05/21/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			75298	06/19/13 19:34	JWM	TAL PIT

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-4(0)

Lab Sample ID: 180-21423-6

Matrix: Tissue

Date Collected: 05/20/13 12:25

Date Received: 05/21/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	2540G		1			75298	06/19/13 19:34	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

BAP = Brian Pino

LEM = Lauren McGrath

Batch Type: Prep

CEH = Caitlyn Haluck

KLG = Kevin Geehring

WAH = William Hoyle

Batch Type: Analysis

CA1 = Craig Addison

JWM = Jeremiah McLaughlin

WAH = William Hoyle

WTR = Bill Reinheimer

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Lab Sample ID: 180-21423-1

Matrix: Tissue

Date Collected: 05/20/13 12:00

Date Received: 05/21/13 09:30

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		40	4.2	ug/Kg		05/30/13 03:45	06/05/13 13:35	5
Hexachlorobutadiene	ND		40	4.5	ug/Kg		05/30/13 03:45	06/05/13 13:35	5
Surrogate									
2,4,6-Tribromophenol	44		21 - 116				05/30/13 03:45	06/05/13 13:35	5
2-Fluorobiphenyl	41		28 - 108				05/30/13 03:45	06/05/13 13:35	5
2-Fluorophenol	50		28 - 107				05/30/13 03:45	06/05/13 13:35	5
Nitrobenzene-d5	50		27 - 110				05/30/13 03:45	06/05/13 13:35	5
Phenol-d5	54		30 - 112				05/30/13 03:45	06/05/13 13:35	5
Terphenyl-d14	53		21 - 130				05/30/13 03:45	06/05/13 13:35	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.078	J B	0.095	0.017	mg/Kg		06/20/13 10:35	06/22/13 17:44	1
Lead	0.48	B	0.095	0.0036	mg/Kg		06/20/13 10:35	06/22/13 17:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.032	0.011	mg/Kg		06/17/13 10:10	06/17/13 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/19/13 19:34	1
Percent Lipids	0.052	J	0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(0)

Lab Sample ID: 180-21423-2

Matrix: Tissue

Date Collected: 05/20/13 12:05

Date Received: 05/21/13 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	77		0.10	0.10	%			06/19/13 19:34	1
Percent Lipids	2.3		0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Lab Sample ID: 180-21423-3

Matrix: Tissue

Date Collected: 05/20/13 12:10

Date Received: 05/21/13 09:30

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		40	4.2	ug/Kg		05/30/13 03:45	06/05/13 14:03	5
Hexachlorobutadiene	ND		40	4.5	ug/Kg		05/30/13 03:45	06/05/13 14:03	5
Surrogate									
2,4,6-Tribromophenol	59		21 - 116				05/30/13 03:45	06/05/13 14:03	5
2-Fluorobiphenyl	55		28 - 108				05/30/13 03:45	06/05/13 14:03	5
2-Fluorophenol	55		28 - 107				05/30/13 03:45	06/05/13 14:03	5
Nitrobenzene-d5	55		27 - 110				05/30/13 03:45	06/05/13 14:03	5
Phenol-d5	60		30 - 112				05/30/13 03:45	06/05/13 14:03	5
Terphenyl-d14	62		21 - 130				05/30/13 03:45	06/05/13 14:03	5

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Lab Sample ID: 180-21423-3

Matrix: Tissue

Date Collected: 05/20/13 12:10
Date Received: 05/21/13 09:30

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081	J B	0.099	0.018	mg/Kg		06/20/13 10:35	06/22/13 17:49	1
Lead	0.034	J B	0.099	0.0038	mg/Kg		06/20/13 10:35	06/22/13 17:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	J	0.032	0.011	mg/Kg		06/17/13 10:10	06/17/13 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/19/13 19:34	1
Percent Lipids	0.14		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-3(0)

Lab Sample ID: 180-21423-4

Matrix: Tissue

Date Collected: 05/20/13 12:15
Date Received: 05/21/13 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	74		0.10	0.10	%			06/19/13 19:34	1
Percent Lipids	2.4		0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Lab Sample ID: 180-21423-5

Matrix: Tissue

Date Collected: 05/20/13 12:20
Date Received: 05/21/13 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/19/13 19:34	1
Percent Lipids	0.12		0.098	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-4(0)

Lab Sample ID: 180-21423-6

Matrix: Tissue

Date Collected: 05/20/13 12:25
Date Received: 05/21/13 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	72		0.10	0.10	%			06/19/13 19:34	1
Percent Lipids	2.5		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: LB 180-72914/19-D LB

Matrix: Tissue

Analysis Batch: 73785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73274

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	ND		8.0	0.85	ug/Kg		05/30/13 03:45	06/04/13 11:33	1
Hexachlorobutadiene	ND		8.0	0.90	ug/Kg		05/30/13 03:45	06/04/13 11:33	1
Surrogate									
2,4,6-Tribromophenol	53		21 - 116				05/30/13 03:45	06/04/13 11:33	1
2-Fluorobiphenyl	37		28 - 108				05/30/13 03:45	06/04/13 11:33	1
2-Fluorophenol	43		28 - 107				05/30/13 03:45	06/04/13 11:33	1
Nitrobenzene-d5	37		27 - 110				05/30/13 03:45	06/04/13 11:33	1
Phenol-d5	57		30 - 112				05/30/13 03:45	06/04/13 11:33	1
Terphenyl-d14	58		21 - 130				05/30/13 03:45	06/04/13 11:33	1

Lab Sample ID: MB 180-73274/1-B

Matrix: Tissue

Analysis Batch: 73785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73274

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	ND		8.0	0.85	ug/Kg		05/30/13 03:45	06/04/13 10:37	1
Hexachlorobutadiene	ND		8.0	0.90	ug/Kg		05/30/13 03:45	06/04/13 10:37	1
Surrogate									
2,4,6-Tribromophenol	64		21 - 116				05/30/13 03:45	06/04/13 10:37	1
2-Fluorobiphenyl	58		28 - 108				05/30/13 03:45	06/04/13 10:37	1
2-Fluorophenol	67		28 - 107				05/30/13 03:45	06/04/13 10:37	1
Nitrobenzene-d5	67		27 - 110				05/30/13 03:45	06/04/13 10:37	1
Phenol-d5	75		30 - 112				05/30/13 03:45	06/04/13 10:37	1
Terphenyl-d14	65		21 - 130				05/30/13 03:45	06/04/13 10:37	1

Lab Sample ID: LCS 180-73274/2-B

Matrix: Tissue

Analysis Batch: 73785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73274

Analyte	Spike		Result	LCS	LCS	D	%Rec	Limits
	Added	Qualifier						
Hexachlorobenzene	400		233		ug/Kg		58	42 - 110
Hexachlorobutadiene	400		222		ug/Kg		55	40 - 114
Surrogate								
2,4,6-Tribromophenol	67		21 - 116					
2-Fluorobiphenyl	57		28 - 108					
2-Fluorophenol	66		28 - 107					
Nitrobenzene-d5	65		27 - 110					
Phenol-d5	73		30 - 112					
Terphenyl-d14	63		21 - 130					

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCSD 180-73274/3-B				Client Sample ID: Lab Control Sample Dup						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 73785				Prep Batch: 73274						
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit
Hexachlorobenzene	400	229		ug/Kg	57		42 - 110	2	29	
Hexachlorobutadiene	400	214		ug/Kg	54		40 - 114	3	25	
Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits							
2,4,6-Tribromophenol	65		21 - 116							
2-Fluorobiphenyl	55		28 - 108							
2-Fluorophenol	64		28 - 107							
Nitrobenzene-d5	62		27 - 110							
Phenol-d5	69		30 - 112							
Terphenyl-d14	57		21 - 130							

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: LB 180-72914/19-F LB				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	0.0180	J	0.098	0.018	mg/Kg		06/20/13 10:35	06/22/13 17:17	1	
Lead	0.00441	J	0.098	0.0037	mg/Kg		06/20/13 10:35	06/22/13 17:17	1	

Lab Sample ID: MB 180-75345/1-A				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	0.0172	J	0.089	0.016	mg/Kg		06/20/13 10:35	06/22/13 17:26	1	
Lead	ND		0.089	0.0034	mg/Kg		06/20/13 10:35	06/22/13 17:26	1	

Lab Sample ID: LCS 180-75345/2-A				Client Sample ID: Lab Control Sample						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits			
Arsenic	3.96	3.45		mg/Kg	87		80 - 120			
Lead	1.98	1.95		mg/Kg	99		80 - 120			

Method: 7471A - Mercury (CVAA)

Lab Sample ID: LB 180-72914/19-E LB				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75017				Prep Batch: 74994						
Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Mercury	ND		0.032	0.011	mg/Kg		06/17/13 10:10	06/17/13 12:22	1	

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 180-74994/1-A

Matrix: Tissue

Analysis Batch: 75017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 74994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.010	mg/Kg		06/17/13 10:10	06/17/13 12:18	1

Lab Sample ID: LCS 180-74994/2-A

Matrix: Tissue

Analysis Batch: 75017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	0.417	0.432		mg/Kg		104	80 - 120

Lab Sample ID: 180-21423-1 MS

Matrix: Tissue

Analysis Batch: 75017

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Prep Type: Total/NA

Prep Batch: 74994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	0.033		0.167	0.187		mg/Kg		92	75 - 125

Lab Sample ID: 180-21423-1 MSD

Matrix: Tissue

Analysis Batch: 75017

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Prep Type: Total/NA

Prep Batch: 74994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD	Limit
Mercury	0.033		0.164	0.185		mg/Kg		93	75 - 125	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-21423-1 DU

Client Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Prep Type: Total/NA

Analysis Batch: 75298

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD	Limit
Percent Moisture	81		81		%		0.1		20

Method: Lipids - Percent Lipids

Lab Sample ID: LB 180-72914/19-C LB

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73275

Analysis Batch: 73674

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	ND		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Lab Sample ID: MB 180-73275/1-A

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73275

Analysis Batch: 73674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	ND		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Method: Lipids - Percent Lipids (Continued)

Lab Sample ID: LCS 180-73275/2-A

Matrix: Tissue

Analysis Batch: 73674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Percent Lipids	9.09	6.67		%		73	30 - 150	

Lab Sample ID: LCSD 180-73275/3-A

Matrix: Tissue

Analysis Batch: 73674

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
Percent Lipids	9.09	7.36		%		81	30 - 150	10	10	25

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

GC/MS Semi VOA

Cleanup Batch: 72913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	Frozen Storage	
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 72914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	In House	72913
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	In House	72913
LB 180-72914/19-D LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 73274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	3541	72914
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	3541	72914
LB 180-72914/19-D LB	Method Blank	Total/NA	Tissue	3541	72914
LCS 180-73274/2-B	Lab Control Sample	Total/NA	Tissue	3541	
LCSD 180-73274/3-B	Lab Control Sample Dup	Total/NA	Tissue	3541	
MB 180-73274/1-B	Method Blank	Total/NA	Tissue	3541	

Cleanup Batch: 73281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	3640A	73274
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	3640A	73274
LB 180-72914/19-D LB	Method Blank	Total/NA	Tissue	3640A	73274
LCS 180-73274/2-B	Lab Control Sample	Total/NA	Tissue	3640A	73274
LCSD 180-73274/3-B	Lab Control Sample Dup	Total/NA	Tissue	3640A	73274
MB 180-73274/1-B	Method Blank	Total/NA	Tissue	3640A	73274

Analysis Batch: 73785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-72914/19-D LB	Method Blank	Total/NA	Tissue	8270C LL	73281
LCS 180-73274/2-B	Lab Control Sample	Total/NA	Tissue	8270C LL	73281
LCSD 180-73274/3-B	Lab Control Sample Dup	Total/NA	Tissue	8270C LL	73281
MB 180-73274/1-B	Method Blank	Total/NA	Tissue	8270C LL	73281

Analysis Batch: 73988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	8270C LL	73281
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	8270C LL	73281

Metals

Cleanup Batch: 72913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	Frozen Storage	
180-21423-1 MS	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	Frozen Storage	
180-21423-1 MSD	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	Frozen Storage	
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	Frozen Storage	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

Metals (Continued)

Cleanup Batch: 72914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	In House	72913
180-21423-1 MS	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	In House	72913
180-21423-1 MSD	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	In House	72913
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	In House	72913
LB 180-72914/19-E LB	Method Blank	Total/NA	Tissue	In House	
LB 180-72914/19-F LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 74994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	7471A	72914
180-21423-1 MS	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	7471A	72914
180-21423-1 MSD	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	7471A	72914
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	7471A	72914
LB 180-72914/19-E LB	Method Blank	Total/NA	Tissue	7471A	72914
LCS 180-74994/2-A	Lab Control Sample	Total/NA	Tissue	7471A	
MB 180-74994/1-A	Method Blank	Total/NA	Tissue	7471A	

Analysis Batch: 75017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	7471A	74994
180-21423-1 MS	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	7471A	74994
180-21423-1 MSD	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	7471A	74994
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	7471A	74994
LB 180-72914/19-E LB	Method Blank	Total/NA	Tissue	7471A	74994
LCS 180-74994/2-A	Lab Control Sample	Total/NA	Tissue	7471A	74994
MB 180-74994/1-A	Method Blank	Total/NA	Tissue	7471A	74994

Prep Batch: 75345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	3050B	72914
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	3050B	72914
LB 180-72914/19-F LB	Method Blank	Total/NA	Tissue	3050B	72914
LCS 180-75345/2-A	Lab Control Sample	Total/NA	Tissue	3050B	
MB 180-75345/1-A	Method Blank	Total/NA	Tissue	3050B	

Analysis Batch: 75552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	6020	75345
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	6020	75345
LB 180-72914/19-F LB	Method Blank	Total/NA	Tissue	6020	75345
LCS 180-75345/2-A	Lab Control Sample	Total/NA	Tissue	6020	75345
MB 180-75345/1-A	Method Blank	Total/NA	Tissue	6020	75345

General Chemistry

Cleanup Batch: 72913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	Frozen Storage	
180-21423-2	055364-T2-52013-FT-CRAWFISH-2(0)	Total/NA	Tissue	Frozen Storage	
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	Frozen Storage	

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21423-1

General Chemistry (Continued)

Cleanup Batch: 72913 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-4	055364-T2-52013-FT-CRAWFISH-3(0)	Total/NA	Tissue	Frozen Storage	
180-21423-5	055364-T2-52013-FT-CRAWFISH-4(T)	Total/NA	Tissue	Frozen Storage	
180-21423-6	055364-T2-52013-FT-CRAWFISH-4(0)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 72914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	In House	72913
180-21423-2	055364-T2-52013-FT-CRAWFISH-2(0)	Total/NA	Tissue	In House	72913
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	In House	72913
180-21423-4	055364-T2-52013-FT-CRAWFISH-3(0)	Total/NA	Tissue	In House	72913
180-21423-5	055364-T2-52013-FT-CRAWFISH-4(T)	Total/NA	Tissue	In House	72913
180-21423-6	055364-T2-52013-FT-CRAWFISH-4(0)	Total/NA	Tissue	In House	72913
LB 180-72914/19-C LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 73275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	3541	72914
180-21423-2	055364-T2-52013-FT-CRAWFISH-2(0)	Total/NA	Tissue	3541	72914
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	3541	72914
180-21423-4	055364-T2-52013-FT-CRAWFISH-3(0)	Total/NA	Tissue	3541	72914
180-21423-5	055364-T2-52013-FT-CRAWFISH-4(T)	Total/NA	Tissue	3541	72914
180-21423-6	055364-T2-52013-FT-CRAWFISH-4(0)	Total/NA	Tissue	3541	72914
LB 180-72914/19-C LB	Method Blank	Total/NA	Tissue	3541	72914
LCS 180-73275/2-A	Lab Control Sample	Total/NA	Tissue	3541	
LCSD 180-73275/3-A	Lab Control Sample Dup	Total/NA	Tissue	3541	
MB 180-73275/1-A	Method Blank	Total/NA	Tissue	3541	

Analysis Batch: 73674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	Lipids	73275
180-21423-2	055364-T2-52013-FT-CRAWFISH-2(0)	Total/NA	Tissue	Lipids	73275
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	Lipids	73275
180-21423-4	055364-T2-52013-FT-CRAWFISH-3(0)	Total/NA	Tissue	Lipids	73275
180-21423-5	055364-T2-52013-FT-CRAWFISH-4(T)	Total/NA	Tissue	Lipids	73275
180-21423-6	055364-T2-52013-FT-CRAWFISH-4(0)	Total/NA	Tissue	Lipids	73275
LB 180-72914/19-C LB	Method Blank	Total/NA	Tissue	Lipids	73275
LCS 180-73275/2-A	Lab Control Sample	Total/NA	Tissue	Lipids	73275
LCSD 180-73275/3-A	Lab Control Sample Dup	Total/NA	Tissue	Lipids	73275
MB 180-73275/1-A	Method Blank	Total/NA	Tissue	Lipids	73275

Analysis Batch: 75298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21423-1	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	2540G	
180-21423-1 DU	055364-T2-52013-FT-CRAWFISH-2(T)	Total/NA	Tissue	2540G	
180-21423-2	055364-T2-52013-FT-CRAWFISH-2(0)	Total/NA	Tissue	2540G	
180-21423-3	055364-T2-52013-FT-CRAWFISH-3(T)	Total/NA	Tissue	2540G	
180-21423-4	055364-T2-52013-FT-CRAWFISH-3(0)	Total/NA	Tissue	2540G	
180-21423-5	055364-T2-52013-FT-CRAWFISH-4(T)	Total/NA	Tissue	2540G	
180-21423-6	055364-T2-52013-FT-CRAWFISH-4(0)	Total/NA	Tissue	2540G	

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TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 180-21423-1

Devil's Swamp

Lot #: H3E290405

Jill Colussy

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

TESTAMERICA LABORATORIES, INC.

A handwritten signature in black ink that reads "Bruce Wagner".

Bruce Wagner
Project Manager

June 28, 2013

ANALYTICAL METHODS SUMMARY

H3E290405

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs, HRGC/HRMS	EPA-22 1668A

References:

EPA-22 "METHOD 1668, REVISION A: CHLORINATED BIPHENYL CONGENERS IN WATER, SOIL, SEDIMENT, AND TISSUE BY HRGC/HRMS"
EPA-821-R-00-002 12/99

SAMPLE SUMMARY

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<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
M00G4	001	055364-T2-52013-FT-CRAWFISH-2 (T)	05/20/13	12:00
M00G5	002	055364-T2-52013-FT-CRAWFISH-2 (O)	05/20/13	12:05
M00G6	003	055364-T2-52013-FT-CRAWFISH-3 (T)	05/20/13	12:10
M00G7	004	055364-T2-52013-FT-CRAWFISH-3 (O)	05/20/13	12:15
M00G8	005	055364-T2-52013-FT-CRAWFISH-4 (T)	05/20/13	12:20
M00G9	006	055364-T2-52013-FT-CRAWFISH-4 (O)	05/20/13	12:25
M00V1	007	LB 180-72914/19-A BATCH 72914	05/20/13	

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE

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The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

Several samples were diluted 2-fold due to severe matrix interferences which caused retention time shifting.

Nomenclature – The standardization strategy described in this report uses the naming convention of SW-846 Method 8290. This convention differs from Method 1668 in the following manner:

Standard Addition Occurs Prior to:	Method 1668	SW-846 Conventions Used in this Report
Sampling	None	Sampling Surrogate
Extraction	Labeled Toxics/LOC/Window Defining	Internal Standard
Cleanups	Labeled Cleanup Standard	Cleanup Standard*
Injection	Labeled Injection Internal Standard	Recovery Standard

* Cleanup Standard is also referred to as Surrogate Standard on report.

The shorthand notation used for congeners in this report is summarized in Table 2.

Qualifiers – The following flags are used to qualify results for HRMS PCB results:

J – The reported result is an estimate. The amount reported is below the Estimated Minimum Level (EML). EML is defined by the method as the lowest concentration at which an analyte can be measured reliably with common laboratory interferences present. This value has been determined for each congener by MDL and laboratory method blank studies. The value is adjusted to reflect sample specific initial and final volumes.

PROJECT NARRATIVE

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E – The reported result is an estimate. The amount reported is above the UCL described below.

The E qualifier is applied on the basis of the **Upper Calibration Level (UCL)**. The quantitative definition of the UCL is listed below:

Upper Calibration Level: The concentration or mass of analyte in the sample that corresponds to the highest calibration level in the initial calibration. It is equivalent to the concentration of the highest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

B – The analyte is present in the associated method blank at a reportable level. For this analysis, there is no method specified reporting level, other than the qualitative criterion that peaks must exhibit a signal-to-noise ratio of 2.5-to-1. Therefore, the presence of any amount of the analyte present in the blank will result a B qualifier on all associated samples.

Note: Some laboratories do not report contamination in the blank unless it is above their lower calibration limit, or an established percentage of the level in the samples, or an established percentage of the regulatory limit. Likewise, some laboratories set a reporting limit at one half the lower calibration limit.

Q – Estimated maximum possible concentration. This qualifier is used when the result is generated from chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method. The criteria include the following areas:

- Ion abundance ratios must be within specified limits (+/-15% of theoretical ion abundance ratio.)
- Retention time criteria (relative to the method-specified isotope labeled retention time standard).
- Co-maximization criterion. The two quantitation ion peaks must reach their maxima within 2 seconds of each other.

S – Ion suppression evident. The trace indicating the signal from the lock mass of the calibration compound shows a deflection at the retention time of the analyte. This may indicate a temporary suppression of the instrument sensitivity, due to a matrix-borne interference.

C – Coeluting Isomer. The isomer is known to coelute with another member of its homologue group, or the peak shape is shouldered, indicating the likelihood of a coeluting isomer. When the C flag is followed by a number, the number indicates the lowest numbered congener among the coelution set. For example, if 100 pg/L is detected at the retention time of PCB 156, and PCB 157 is known to coelute with PCB 156, the results will be flagged as follows:

PCB 156 100 pg/L C

PCB 157 100 pg/L C156

In certain electronic deliverables the result field for PCB 157 will be null, with "C156" appearing in the qualifier field in accordance with the CARP EDD specification.

X – Other. See explanation in narrative.

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Results – The results for the analyses are summarized in the following pages. Please see comments regarding qualifiers, above. Additional information regarding qualifiers is explained in the legends at the end of each result summary. A summary of the shorthand conventions used in this report is provided in Table 2.

Detection Limits – For all analyte results a sample specific detection limit is calculated for that analyte. This is done by first determining the GC/MS peak height of the noise or interferent in the expected region of the analyte signal. This value is multiplied by the number 2.5, which serves as a safety factor. The 2.5 safety factor is disregarded if the noise present in the analyte region is a result of chemical interferences. The resulting signal response value is then used to estimate the minimum detectable analyte amount. The result is the estimated sample detection limit.

When an analyte is not detected, an ND appears in place of the result. The value in the detection limit column is the estimated detection limit for the analyte in that particular sample.

EXAMPLE CALCULATIONS

The following formulas were used for sample calculations. Examples are given for calculating the percent recovery for internal standard $^{13}\text{C}_{12}$ -PCB 1, the concentration of native PCB 1 and the EDL for PCB 1. All values used in the calculations below are typical (i.e. not extracted from a particular sample). Actual values are found on the IsoCalc Preliminary Sample Report (IPSR) at the position indicated (in parentheses, below):

INTERNAL STANDARD RECOVERY ($^{13}\text{C}_{12}$ -PCB 1)

$$\text{Percent Recovery} = \frac{\Sigma A_{IS} \cdot W_{RS} \cdot 100\%}{\Sigma A_{RS} \cdot W_{IS} \cdot RRF}$$

ΣA_{IS} = Sum of areas for the Internal Standard quantitation ions. (IPSR – Column “Area”, Row “13C12-PCB 1”)

W_{RS} = Mass in ng of the Recovery Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 9”)

ΣA_{RS} = Sum of areas for the Recovery Standard quantitation ions. (IPSR – Column “Area”, Row “13C12-PCB 9”)

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”)

RRF = Internal Standard mean relative response factor from the initial multipoint calibration. (IPSR - Column “RF”, Row “13C12-PCB 1”.)

Substituting typical values ,

$$\frac{1106275 \cdot 2.000 \text{ (ng)} \cdot 100\%}{1205581 \cdot 2.000 \text{ (ng)} \cdot 1.412} = 65\% \text{ Recovery}$$

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NATIVE ANALYTE QUANTITATION (PCB 1)

$$\text{Conc} = \frac{\sum A_X \cdot W_{IS}}{\sum A_{IS} \cdot V \cdot 0.001 (\text{mL/L}) \cdot RRF}$$

ΣA_X = Sum of areas for analyte quantitation ions. (IPSR – Area Column “Area”, Row “PCB 1”)

W_{IS} = Mass in ng of Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”)

ΣA_{IS} = Sum areas for the Internal Standard. (IPSR – Column “Area”, Row 13C12-PCB 1)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row “Initial Wt/Vol”)

RRF = Native analyte mean relative response factor from the initial calibration, or daily response factor as appropriate. (IPSR – Column “RF”, Row “PCB 1”)

$$8951 \cdot 2.000 (\text{ng})$$

Substituting typical values, _____ = 0.00647 ng/L = 6.47 pg/L

$$1106275 \cdot 2200 (\text{mL}) \cdot 0.001 (\text{mL/L}) \cdot 1.136$$

CALCULATION OF SAMPLE SPECIFIC ESTIMATED DETECTION LIMIT

This calculation uses the noise values found on the IsoCalc Preliminary Peak Report (IPPR), which follows the IPSR. All the other values used in the equation are found on the IPSR.)

$$\frac{\sum I_X \cdot W_{IS} \cdot T_{SN}}{\sum I_{IS} \cdot V \cdot 0.001 (\text{mL/L}) \cdot RRF}$$

$\sum I_X$ = Sum of the intensities of the noise levels of the characteristic ions in the region of analyte elution. (IPPR – Columns “Height1” and “Height2”, Row {mass} 188, Sub-Row “Noise”).

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”).

T_{SN} = Minimum Signal-to-Noise threshold. = 2.5. A constant, specified by the method.

$\sum I_{IS}$ = Intensity of the corresponding ^{13}C ions. (IPSR – Column “Height”, Row “13C12-PCB 9”)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row “Initial Wt/Vol”)

RRF = Native analyte mean relative response factor from the initial calibration or daily standard as appropriate. (IPSR – Column “RF”, Row “PCB 1”)

$$79 \cdot 2000 (\text{pg}) \cdot 2.5$$

Substituting typical values _____ = 0.466 pg/L

$$334600 \cdot 2200 (\text{mL}) \cdot 0.001 (\text{mL/L}) \cdot 1.136$$

In sample data, peaks must have an intensity of 2.5 times the height of the background noise in order to be considered. Careful examination of the two equations above, and a bit of algebra reveals that for the concentration of the smallest peak detectable (per the EDL equation) to

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exactly equal the smallest peaks that are calculated, requires that the average height to area ratio obtained during the calibration must equal the area to height ratio for every peak obtained near 2.5 times the noise. When the area to height ratio on a peak in a sample is less than the average obtained during calibration, the calculated result will correspond to a peak that would have been less than 2.5 X the noise on the calibration. This is the result of normal variability. Because the source method for the EDL (EPA 1668) does not provide for censoring of results by any other magnitude standard than being 2.5 times the noise, the laboratory does not censor at the calculated EDL. Hence, detections may be reported below the estimated detection limits.

Analyte Type	BZ/IUPAC ¹	Concentration of PCBs in Calibration Solutions					
		CS 0.5 ng/mL	CS 1 ng/mL	CS 2 ng/mL	CS 3 ² ng/mL	CS 4 ng/mL	CS 5 ng/mL
Congeners							
2-MoCB	1	0.5	1.0	5.0	50	400	2000
4-MoCB	3	0.5	1.0	5.0	50	400	2000
2,2'-DiCB	4	0.5	1.0	5.0	50	400	2000
4,4'-DiCB	15	0.5	1.0	5.0	50	400	2000
2,2',6'-TrCB	19	0.5	1.0	5.0	50	400	2000
3,4,4'-TrCB	37	0.5	1.0	5.0	50	400	2000
2,2',6,6'-TeCB	54	0.5	1.0	5.0	50	400	2000
3,3',4,4'-TeCB	77	0.5	1.0	5.0	50	400	2000
3,4,4',5-TeCB	81	0.5	1.0	5.0	50	400	2000
2,2',4,6,6'-PeCB	104	0.5	1.0	5.0	50	400	2000
2,3,3',4,4'-PeCB	105	0.5	1.0	5.0	50	400	2000
2,3,4,4',5-PeCB	114	0.5	1.0	5.0	50	400	2000
2,3',4,4',5-PeCB	118	0.5	1.0	5.0	50	400	2000
2',3,4,4',5-PeCB	123	0.5	1.0	5.0	50	400	2000
3,3',4,4',5-PeCB	126	0.5	1.0	5.0	50	400	2000
2,2',4,4',6,6'-HxCB	155	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5-HxCB	156	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5'-HxCB	157	0.5	1.0	5.0	50	400	2000
2,3',4,4',5,5'-HxCB	167	0.5	1.0	5.0	50	400	2000
3,3',4,4',5,5'-HxCB	169	0.5	1.0	5.0	50	400	2000
2,2',3,4',5,6,6'-HpCB	188	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5'-HpCB	189	0.5	1.0	5.0	50	400	2000
2,2',3,3',5,5',6,6'-OcCB	202	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5',6-OcCB	205	0.5	1.0	5.0	50	400	2000
2,2',3,3',4,4',5,5',6-NoCB	206	0.5	1.0	5.0	50	400	2000
2,2',3,3',4',5,5',6,6'-NoCB	208	0.5	1.0	5.0	50	400	2000
DeCB	209	0.5	1.0	5.0	50	400	2000
All other CB congeners		0.5	1.0	5.0	50	400	2000
Labeled Congeners							
¹³ C ₁₂ -2-MoCB	1L	100	100	100	100	100	100
¹³ C ₁₂ -4-MoCB	3L	100	100	100	100	100	100
¹³ C ₁₂ -2,2'-DiCB	4L	100	100	100	100	100	100
¹³ C ₁₂ -4,4'-DiCB	15L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',6-TrCB	19L	100	100	100	100	100	100
¹³ C ₁₂ -3,4,4'-TrCB	37L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	100	100	100	100	100	100
¹³ C ₁₂ -3,4,4',5-TeCB	81L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,4,4',5-PeCB	114L	100	100	100	100	100	100

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Table 1

Concentration of PCBs in Calibration Solutions

	BZ/IUPAC ¹	CS 0.5 ng/mL	CS 1 ng/mL	CS 2 ng/mL	CS 3 ² ng/mL	CS 4 ng/mL	CS 5 ng/mL
Analyte Type							
¹³ C ₁₂ -2,3',4,4',5-PeCB	118L	100	100	100	100	100	100
¹³ C ₁₂ -2',3,4,4',5-PeCB	123L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4',5-PeCB	126L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5-HxCB	156L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	100	100	100	100	100	100
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5-HpCB	170L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5,5',6-OcCB	205L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6-NoCB	206L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4',5,5',6,6'-NoCB	208L	100	100	100	100	100	100
¹³ C ₁₂ -DeCB	209L	100	100	100	100	100	100
Cleanup Standards							
¹³ C ₁₂ -2,4,4'-TriCB	28L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',3,3',5,5'-HpCB	178L	0.5	1.0	5.0	50	400	--
Recovery Standards							
¹³ C ₁₂ -2,5-DiCB	9L	100	100	100	100	100	100
¹³ C ₁₂ -2,4',5-TriCB	31L	100	100	100	100	100	100
¹³ C ₁₂ -2,4',6-TriCB	32L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',5,5'-TeCB	52L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4',5,5'-PeCB	101L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,5,5'-PeCB	127L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3',4,4',5'-HxCB	138L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,4,4',5,5'-HpCB	180L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5'-OcCB	194L	100	100	100	100	100	100
Labeled Sampling Surrogates							
¹³ C ₁₂ -2,4'-DiCB	8L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -3,3',4,5'-TeCB	79L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',3,5',6-PeCB	95L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',4,4',5,5'-HxCB	153L	0.5	1.0	5.0	50	400	--

1. Suffix "L" indicates labeled compound.

2. Calibration verification solution.

Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
1	2-monochlorobiphenyl	2051-60-7	106	2,3,3',4,5-pentachlorobiphenyl	70424-69-0
2	3-monochlorobiphenyl	2051-61-8	107/109	2,3,3',4',5-pentachlorobiphenyl	70424-68-9
3	4-monochlorobiphenyl	2051-62-9	108/107	2,3,3',4,5'-pentachlorobiphenyl	70362-41-3
4	2,2'-dichlorobiphenyl	13029-08-8	109/108	2,3,3',4,6-pentachlorobiphenyl	74472-35-8
5	2,3-dichlorobiphenyl	16605-91-7	110	2,3,3',4',6-pentachlorobiphenyl	38380-03-9
6	2,3'-dichlorobiphenyl	25569-80-6	111	2,3,3',5,5'-pentachlorobiphenyl	39635-32-0
7	2,4-dichlorobiphenyl	33284-50-3	112	2,3,3',5,6-pentachlorobiphenyl	74472-36-9
8	2,4'-dichlorobiphenyl	34883-43-7	113	2,3,3',5',6-pentachlorobiphenyl	68194-10-5

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
9	2,5-dichlorobiphenyl	34883-39-1	114	2,3,4,4',5-pentachlorobiphenyl	74472-37-0
10	2,6-dichlorobiphenyl	33146-45-1	115	2,3,4,4',6-pentachlorobiphenyl	74472-38-1
11	3,3'-dichlorobiphenyl	2050-67-1	116	2,3,4,5,6-pentachlorobiphenyl	18259-05-7
12	3,4-dichlorobiphenyl	2974-92-7	117	2,3,4,5,6-pentachlorobiphenyl	68194-11-6
13	3,4'-dichlorobiphenyl	2974-90-5	118	2,3',4,4',5-pentachlorobiphenyl	31508-00-6
14	3,5-dichlorobiphenyl	34883-41-5	119	2,3',4,4',6-pentachlorobiphenyl	56558-17-9
15	4,4'-dichlorobiphenyl	2050-68-2	120	2,3',4,5,5'-pentachlorobiphenyl	68194-12-7
16	2,2',3-trichlorobiphenyl	38444-78-9	121	2,3',4,5,6-pentachlorobiphenyl	56558-18-0
17	2,2',4-trichlorobiphenyl	37680-66-3	122	2',3,3',4,5-pentachlorobiphenyl (2,3,3',4,5'-pentachlorobiphenyl)	76842-07-4
18	2,2',5-trichlorobiphenyl	37680-65-2	123	2',3,4,4',5-pentachlorobiphenyl (2,3',4,4',5'-pentachlorobiphenyl)	65510-44-3
19	2,2',6-trichlorobiphenyl	38444-73-4	124	2',3,4,5,5'-pentachlorobiphenyl (2,3',4',5',5-pentachlorobiphenyl)	70424-70-3
20	2,3,3'-trichlorobiphenyl	38444-84-7	125	2',3,4,5,6'-pentachlorobiphenyl (2,3',4',5',6-pentachlorobiphenyl)	74472-39-2
21	2,3,4-trichlorobiphenyl	55702-46-0	126	3,3',4,4',5-pentachlorobiphenyl	57465-28-8
22	2,3,4'-trichlorobiphenyl	38444-85-8	127	3,3',4,5,5'-pentachlorobiphenyl	39635-33-1
23	2,3,5-trichlorobiphenyl	55720-44-0	128	2,2',3,3',4,4'-hexachlorobiphenyl	38380-07-3
24	2,3,6-trichlorobiphenyl	55702-45-9	129	2,2',3,3',4,5-hexachlorobiphenyl	55215-18-4
25	2,3',4-trichlorobiphenyl	55712-37-3	130	2,2',3,3',4,5'-hexachlorobiphenyl	52663-66-8
26	2,3',5-trichlorobiphenyl	38444-81-4	131	2,2',3,3',4,6-hexachlorobiphenyl	61798-70-7
27	2,3',6-trichlorobiphenyl	38444-76-7	132	2,2',3,3',4,6'-hexachlorobiphenyl	38380-05-1
28	2,4,4'-trichlorobiphenyl	7012-37-5	133	2,2',3,3',5,5'-hexachlorobiphenyl	35694-04-3
29	2,4,5-trichlorobiphenyl	15862-07-4	134	2,2',3,3',5,6-hexachlorobiphenyl	52704-70-8
30	2,4,6-trichlorobiphenyl	35693-92-6	135	2,2',3,3',5,6'-hexachlorobiphenyl	52744-13-5
31	2,4',5-trichlorobiphenyl	16606-02-3	136	2,2',3,3',6,6'-hexachlorobiphenyl	38411-22-2
32	2,4',6-trichlorobiphenyl	38444-77-8	137	2,2',3,4,4',5-hexachlorobiphenyl	35694-06-5
33	2',3,4-trichlorobiphenyl (2,3',4'-trichlorobiphenyl)	38444-86-9	138	2,2',3,4,4',5'-hexachlorobiphenyl	35065-28-2
34	2',3,5-trichlorobiphenyl (2,3',5-trichlorobiphenyl)	37680-68-5	139	2,2',3,4,4',6-hexachlorobiphenyl	56030-56-9
35	3,3',4-trichlorobiphenyl	37680-69-6	140	2,2',3,4,4',6'-hexachlorobiphenyl	59291-64-4
36	3,3',5-trichlorobiphenyl	38444-87-0	141	2,2',3,4,5,5'-hexachlorobiphenyl	52712-04-6
37	3,4,4'-trichlorobiphenyl	38444-90-5	142	2,2',3,4,5,6-hexachlorobiphenyl	41411-61-4
38	3,4,5-trichlorobiphenyl	53555-66-1	143	2,2',3,4,5,6'-hexachlorobiphenyl	68194-15-0
39	3,4',5-trichlorobiphenyl	38444-88-1	144	2,2',3,4,5',6-hexachlorobiphenyl	68194-14-9
40	2,2',3,3'-tetrachlorobiphenyl	38444-93-8	145	2,2',3,4,6,6'-hexachlorobiphenyl	74472-40-5
41	2,2',3,4-tetrachlorobiphenyl	52663-59-9	146	2,2',3,4',5,5'-hexachlorobiphenyl	51908-16-8
42	2,2',3,4'-tetrachlorobiphenyl	36559-22-5	147	2,2',3,4',5,6-hexachlorobiphenyl	68194-13-8
43	2,2',3,5-tetrachlorobiphenyl	70362-46-8	148	2,2',3,4',5,6'-hexachlorobiphenyl	74472-41-6
44	2,2',3,5'-tetrachlorobiphenyl	41464-39-5	149	2,2',3,4',5',6-hexachlorobiphenyl	38380-04-0
45	2,2',3,6-tetrachlorobiphenyl	70362-45-7	150	2,2',3,4',6,6'-hexachlorobiphenyl	68194-08-1
46	2,2',3,6'-tetrachlorobiphenyl	41464-47-5	151	2,2',3,5,5',6-hexachlorobiphenyl	52663-63-5
47	2,2',4,4'-tetrachlorobiphenyl	2437-79-8	152	2,2',3,5,6,6'-hexachlorobiphenyl	68194-09-2
48	2,2',4,5-tetrachlorobiphenyl	70362-47-9	153	2,2',4,4',5,5'-hexachlorobiphenyl	35065-27-1
49	2,2',4,5'-tetrachlorobiphenyl	41464-40-8	154	2,2',4,4',5,6'-hexachlorobiphenyl	60145-22-4
50	2,2',4,6-tetrachlorobiphenyl	62796-65-0	155	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2
51	2,2',4,6'-tetrachlorobiphenyl	68194-04-7	156	2,3,3',4,4',5-hexachlorobiphenyl	38380-08-4
52	2,2',5,5'-tetrachlorobiphenyl	35693-99-3	157	2,3,3',4,4',5'-hexachlorobiphenyl	69782-90-7
53	2,2',5,6'-tetrachlorobiphenyl	41464-41-9	158	2,3,3',4,4',6-hexachlorobiphenyl	74472-42-7

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
54	2,2',6,6'-tetrachlorobiphenyl	15968-05-5	159	2,3,3',4,5,5'-hexachlorobiphenyl	39635-35-3
55	2,3,3',4-tetrachlorobiphenyl	74338-24-2	160	2,3,3',4,5,6-hexachlorobiphenyl	41411-62-5
56	2,3,3',4'-tetrachlorobiphenyl	41464-43-1	161	2,3,3',4,5',6-hexachlorobiphenyl	74472-43-8
57	2,3,3',5-tetrachlorobiphenyl	70424-67-8	162	2,3,3',4',5,5'-hexachlorobiphenyl	39635-34-2
58	2,3,3',5'-tetrachlorobiphenyl	41464-49-7	163	2,3,3',4',5,6-hexachlorobiphenyl	74472-44-9
59	2,3,3',6-tetrachlorobiphenyl	74472-33-6	164	2,3,3',4',5',6-hexachlorobiphenyl	74472-45-0
60	2,3,4,4'-tetrachlorobiphenyl	33025-41-1	165	2,3,3',5,5',6-hexachlorobiphenyl	74472-46-1
61	2,3,4,5-tetrachlorobiphenyl	33284-53-6	166	2,3,4,4',5,6-hexachlorobiphenyl	41411-63-6
62	2,3,4,6-tetrachlorobiphenyl	54230-22-7	167	2,3',4,4',5,5'-hexachlorobiphenyl	52663-72-6
63	2,3,4',5-tetrachlorobiphenyl	74472-34-7	168	2,3',4,4',5',6-hexachlorobiphenyl	59291-65-5
64	2,3,4',6-tetrachlorobiphenyl	52663-58-8	169	3,3',4,4',5,5'-hexachlorobiphenyl	32774-16-6
65	2,3,5,6-tetrachlorobiphenyl	33284-54-7	170	2,2',3,3',4,4',5-heptachlorobiphenyl	35065-30-6
66	2,3',4,4'-tetrachlorobiphenyl	32598-10-0	171	2,2',3,3',4,4',6-heptachlorobiphenyl	52663-71-5
67	2,3',4,5-tetrachlorobiphenyl	73575-53-8	172	2,2',3,3',4,5,5'-heptachlorobiphenyl	52663-74-8
68	2,3',4,5'-tetrachlorobiphenyl	73575-52-7	173	2,2',3,3',4,5,6-heptachlorobiphenyl	68194-16-1
69	2,3',4,6-tetrachlorobiphenyl	60233-24-1	174	2,2',3,3',4,5,6'-heptachlorobiphenyl	38411-25-5
70	2,3',4',5-tetrachlorobiphenyl	32598-11-1	175	2,2',3,3',4,5',6-heptachlorobiphenyl	40186-70-7
71	2,3',4',6-tetrachlorobiphenyl	41464-46-4	176	2,2',3,3',4,6,6'-heptachlorobiphenyl	52663-65-7
72	2,3',5,5'-tetrachlorobiphenyl	41464-42-0	177	2,2',3,3',4',5,6-heptachlorobiphenyl (2,2',3,3',4,5',6'-heptachlorobiphenyl)	52663-70-4
73	2,3',5',6-tetrachlorobiphenyl	74338-23-1	178	2,2',3,3',5,5',6-heptachlorobiphenyl	52663-67-9
74	2,4,4',5-tetrachlorobiphenyl	32690-93-0	179	2,2',3,3',5,6,6'-heptachlorobiphenyl	52663-64-6
75	2,4,4',6-tetrachlorobiphenyl	32598-12-2	180	2,2',3,4,4',5,5'-heptachlorobiphenyl	35065-29-3
76	2',3,4,5-tetrachlorobiphenyl (2,3',4',5'-tetrachlorobiphenyl)	70362-48-0	181	2,2',3,4,4',5,6-heptachlorobiphenyl	74472-47-2
77	3,3',4,4'-tetrachlorobiphenyl	32598-13-3	182	2,2',3,4,4',5,6'-heptachlorobiphenyl	60145-23-5
78	3,3',4,5-tetrachlorobiphenyl	70362-49-1	183	2,2',3,4,4',5',6-heptachlorobiphenyl	52663-69-1
79	3,3',4,5'-tetrachlorobiphenyl	41464-48-6	184	2,2',3,4,4',6,6'-heptachlorobiphenyl	74472-48-3
80	3,3',5,5'-tetrachlorobiphenyl	33284-52-5	185	2,2',3,4,5,5',6-heptachlorobiphenyl	52712-05-7
81	3,4,4',5-tetrachlorobiphenyl	70362-50-4	186	2,2',3,4,5,6,6'-heptachlorobiphenyl	74472-49-4
82	2,2',3,3',4-pentachlorobiphenyl	52663-62-4	187	2,2',3,4',5,5',6-heptachlorobiphenyl	52663-68-0
83	2,2',3,3',5-pentachlorobiphenyl	60145-20-2	188	2,2',3,4',5,6,6'-heptachlorobiphenyl	74487-85-7
84	2,2',3,3',6-pentachlorobiphenyl	52663-60-2	189	2,3,3',4,4',5,5'-heptachlorobiphenyl	39635-31-9
85	2,2',3,4,4'-pentachlorobiphenyl	65510-45-4	190	2,3,3',4,4',5,6-heptachlorobiphenyl	41411-64-7
86	2,2',3,4,5-pentachlorobiphenyl	55312-69-1	191	2,3,3',4,4',5',6-heptachlorobiphenyl	74472-50-7
87	2,2',3,4,5'-pentachlorobiphenyl	38380-02-8	192	2,3,3',4,5,5',6-heptachlorobiphenyl	74472-51-8
88	2,2',3,4,6-pentachlorobiphenyl	55215-17-3	193	2,3,3',4,5,5',6-heptachlorobiphenyl	69782-91-8
89	2,2',3,4,6'-pentachlorobiphenyl	73575-57-2	194	2,2',3,3',4,4',5,5'-octachlorobiphenyl	35694-08-7
90	2,2',3,4',5-pentachlorobiphenyl	68194-07-0	195	2,2',3,3',4,4',5,6-octachlorobiphenyl	52663-78-2
91	2,2',3,4',6-pentachlorobiphenyl	68194-05-8	196	2,2',3,3',4,4',5,6'-octachlorobiphenyl	42740-50-1
92	2,2',3,5,5'-pentachlorobiphenyl	52663-61-3	197	2,2',3,3',4,4',6,6'-octachlorobiphenyl	33091-17-7
93	2,2',3,5,6-pentachlorobiphenyl	73575-56-1	198	2,2',3,3',4,5,5',6-octachlorobiphenyl	68194-17-2
94	2,2',3,5,6'-pentachlorobiphenyl	73575-55-0	199/200	2,2',3,3',4,5,6,6'-octachlorobiphenyl	52663-73-7
95	2,2',3,5',6-pentachlorobiphenyl	38379-99-6	200/201	2,2',3,3',4,5',6,6'-octachlorobiphenyl	40186-71-8
96	2,2',3,6,6'-pentachlorobiphenyl	73575-54-9	201/199	2,2',3,3',4,5,5',6-octachlorobiphenyl	52663-75-9
97	2,2',3',4,5-pentachlorobiphenyl (2,2',3,4',5'-pentachlorobiphenyl)	41464-51-1	202	2,2',3,3',5,5',6,6'-octachlorobiphenyl	2136-99-4
98	2,2',3',4,6-pentachlorobiphenyl (2,2',3,4',6'-pentachlorobiphenyl)	60233-25-2	203	2,2',3,4,4',5,5',6-octachlorobiphenyl	52663-76-0

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
99	2,2',4,4',5-pentachlorobiphenyl	38380-01-7	204	2,2',3,4,4',5,6,6'-octachlorobiphenyl	74472-52-9
100	2,2',4,4',6-pentachlorobiphenyl	39485-83-1	205	2,3,3',4,4',5,5',6-octachlorobiphenyl	74472-53-0
101	2,2',4,5,5'-pentachlorobiphenyl	37680-73-2	206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	40186-72-9
102	2,2',4,5,6-pentachlorobiphenyl	68194-06-9	207	2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl	52663-79-3
103	2,2',4,5',6-pentachlorobiphenyl	60145-21-3	208	2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl	52663-77-1
104	2,2',4,6,6'-pentachlorobiphenyl	56558-16-8	209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	2051-24-3
105	2,3,3',4,4'-pentachlorobiphenyl	32598-14-4			

1. The BZ number is from Ballschmiter and Zell (1980). The IUPAC number, when different from the BZ, follows the recommended changes to the BZ number per Schulte and Malisch (1983) and Guitart et al. (1993).
2. The chemical structure names are from Ballschmiter and Zell (1980). IUPAC nomenclature structure names are listed in parenthesis when different from the BZ name (source CAS Registry).
3. Chemical Abstract Service Registry number (source CAS Registry and 1668 Table 1).
4. A complete discussion of PCB Nomenclature may be found in Mills III, S.A. et al., A summary of the 209 PCB congener nomenclature, Chemosphere (2007), doi:10.1016/j.chemosphere.2007.03.052.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACCLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Sample Data Summary

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 001 Work Order #....: M00G41AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.023	0.00028	ng/g
PCB 2 (BZ)	ND		0.023	0.00033	ng/g
PCB 3 (BZ)	ND		0.023	0.00040	ng/g
PCB 4 (BZ)	0.0040	Q J	0.045	0.0027	ng/g
PCB 5 (BZ)	0.0018	Q J	0.023	0.0021	ng/g
PCB 6 (BZ)	0.0030	Q B J	0.023	0.0020	ng/g
PCB 7 (BZ)	0.0026	Q B J	0.023	0.0021	ng/g
PCB 8 (BZ)	0.0031	Q B J	0.045	0.0020	ng/g
PCB 9 (BZ)	0.0025	Q B J	0.023	0.0021	ng/g
PCB 10 (BZ)	0.0015	Q J	0.023	0.0022	ng/g
PCB 11 (BZ)	0.0055	Q B J	0.045	0.0020	ng/g
PCB 12 (BZ)	0.0018	Q B C J	0.023	0.0020	ng/g
PCB 13 (BZ)	0.0018	Q B C12 J	0.023	0.0020	ng/g
PCB 14 (BZ)	ND		0.023	0.0018	ng/g
PCB 15 (BZ)	0.0034	Q B J	0.023	0.0021	ng/g
PCB 16 (BZ)	ND		0.023	0.0017	ng/g
PCB 17 (BZ)	ND		0.023	0.0014	ng/g
PCB 18 (BZ)	0.0050	Q C J	0.045	0.0012	ng/g
PCB 19 (BZ)	ND		0.023	0.0017	ng/g
PCB 20 (BZ)	0.017	B C J	0.045	0.00048	ng/g
PCB 21 (BZ)	0.0018	Q B C J	0.023	0.00048	ng/g
PCB 22 (BZ)	0.00087	Q J	0.023	0.00049	ng/g
PCB 23 (BZ)	ND		0.023	0.00050	ng/g
PCB 24 (BZ)	ND		0.023	0.0012	ng/g
PCB 25 (BZ)	0.0017	Q J	0.023	0.00045	ng/g
PCB 26 (BZ)	0.015	C J	0.023	0.00047	ng/g
PCB 27 (BZ)	ND		0.023	0.0010	ng/g
PCB 28 (BZ)	0.017	B C20 J	0.045	0.00048	ng/g
PCB 29 (BZ)	0.015	C26 J	0.023	0.00047	ng/g
PCB 30 (BZ)	0.0050	Q C18 J	0.045	0.0012	ng/g
PCB 31 (BZ)	0.011	B J	0.045	0.00047	ng/g
PCB 32 (BZ)	0.0019	Q J	0.023	0.00098	ng/g
PCB 33 (BZ)	0.0018	Q B C21 J	0.023	0.00048	ng/g
PCB 34 (BZ)	ND		0.023	0.00049	ng/g
PCB 35 (BZ)	ND		0.023	0.00051	ng/g
PCB 36 (BZ)	ND		0.023	0.00049	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 001 Work Order #....: M00G41AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0019	Q B J	0.023	0.00050	ng/g
PCB 38 (BZ)	ND		0.023	0.00052	ng/g
PCB 39 (BZ)	ND		0.023	0.00046	ng/g
PCB 40 (BZ)	0.0035	Q B C J	0.023	0.00080	ng/g
PCB 41 (BZ)	0.0035	Q B C40 J	0.023	0.00080	ng/g
PCB 42 (BZ)	0.0016	J	0.023	0.00082	ng/g
PCB 43 (BZ)	ND		0.023	0.00075	ng/g
PCB 44 (BZ)	0.034	B C	0.023	0.00072	ng/g
PCB 45 (BZ)	ND		0.023	0.00083	ng/g
PCB 46 (BZ)	ND		0.023	0.00098	ng/g
PCB 47 (BZ)	0.034	B C44	0.023	0.00072	ng/g
PCB 48 (BZ)	0.0024	Q J	0.023	0.00080	ng/g
PCB 49 (BZ)	0.016	C J	0.023	0.00066	ng/g
PCB 50 (BZ)	0.0022	Q C J	0.023	0.00077	ng/g
PCB 51 (BZ)	ND		0.023	0.00083	ng/g
PCB 52 (BZ)	0.099		0.023	0.00077	ng/g
PCB 53 (BZ)	0.0022	Q C50 J	0.023	0.00077	ng/g
PCB 54 (BZ)	ND		0.023	0.0021	ng/g
PCB 55 (BZ)	0.0013	Q J	0.023	0.00062	ng/g
PCB 56 (BZ)	0.0043	Q J	0.023	0.00059	ng/g
PCB 57 (BZ)	ND		0.023	0.00059	ng/g
PCB 58 (BZ)	0.00092	J	0.023	0.00059	ng/g
PCB 59 (BZ)	0.0028	C J	0.023	0.00057	ng/g
PCB 60 (BZ)	0.0035	J	0.023	0.00060	ng/g
PCB 61 (BZ)	0.042	B C J	0.045	0.00057	ng/g
PCB 62 (BZ)	0.0028	C59 J	0.023	0.00057	ng/g
PCB 63 (BZ)	0.0020	Q J	0.023	0.00055	ng/g
PCB 64 (BZ)	0.0018	J	0.023	0.00054	ng/g
PCB 65 (BZ)	0.034	B C44	0.023	0.00072	ng/g
PCB 66 (BZ)	0.034		0.023	0.00057	ng/g
PCB 67 (BZ)	ND		0.023	0.00053	ng/g
PCB 68 (BZ)	0.0016	Q J	0.023	0.00054	ng/g
PCB 69 (BZ)	0.016	C49 J	0.023	0.00066	ng/g
PCB 70 (BZ)	0.042	B C61 J	0.045	0.00057	ng/g
PCB 71 (BZ)	0.0035	Q B C40 J	0.023	0.00080	ng/g
PCB 72 (BZ)	0.0040	J	0.023	0.00058	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 001 Work Order #....: M00G41AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.023	0.00075	ng/g
PCB 74 (BZ)	0.042	B C61 J	0.045	0.00057	ng/g
PCB 75 (BZ)	0.0028	C59 J	0.023	0.00057	ng/g
PCB 76 (BZ)	0.042	B C61 J	0.045	0.00057	ng/g
PCB 77 (BZ)	0.0024	J	0.023	0.00055	ng/g
PCB 78 (BZ)	ND		0.023	0.00061	ng/g
PCB 79 (BZ)	0.0013	Q J	0.023	0.00054	ng/g
PCB 80 (BZ)	ND		0.023	0.00052	ng/g
PCB 81 (BZ)	ND		0.023	0.00056	ng/g
PCB 82 (BZ)	ND		0.023	0.0014	ng/g
PCB 83 (BZ)	0.049	C	0.023	0.0012	ng/g
PCB 84 (BZ)	0.0038	Q J	0.023	0.0014	ng/g
PCB 85 (BZ)	0.0085	Q C J	0.023	0.00098	ng/g
PCB 86 (BZ)	0.047	C	0.023	0.0010	ng/g
PCB 87 (BZ)	0.047	C86	0.023	0.0010	ng/g
PCB 88 (BZ)	0.0071	C J	0.023	0.0012	ng/g
PCB 89 (BZ)	ND		0.023	0.0013	ng/g
PCB 90 (BZ)	0.16	C	0.023	0.0010	ng/g
PCB 91 (BZ)	0.0071	C88 J	0.023	0.0012	ng/g
PCB 92 (BZ)	0.034		0.023	0.0012	ng/g
PCB 93 (BZ)	0.0020	Q C J	0.023	0.0012	ng/g
PCB 94 (BZ)	ND		0.023	0.0013	ng/g
PCB 95 (BZ)	0.074		0.023	0.0012	ng/g
PCB 96 (BZ)	ND		0.023	0.00098	ng/g
PCB 97 (BZ)	0.047	C86	0.023	0.0010	ng/g
PCB 98 (BZ)	ND		0.023	0.0011	ng/g
PCB 99 (BZ)	0.049	C83	0.023	0.0012	ng/g
PCB 100 (BZ)	0.0020	Q C93 J	0.023	0.0012	ng/g
PCB 101 (BZ)	0.16	C90	0.023	0.0010	ng/g
PCB 102 (BZ)	ND		0.023	0.0011	ng/g
PCB 103 (BZ)	ND		0.023	0.0011	ng/g
PCB 104 (BZ)	ND		0.023	0.00087	ng/g
PCB 105 (BZ)	0.016	J	0.023	0.00061	ng/g
PCB 106 (BZ)	ND		0.023	0.00065	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0051	J	0.023	0.00063	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0050	C J	0.023	0.00066	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 001	Work Order #....:	M00G41AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.047	C86	0.023	ng/g
PCB 110 (BZ)	0.026	B C	0.023	ng/g
PCB 111 (BZ)	ND		0.023	ng/g
PCB 112 (BZ)	ND		0.023	ng/g
PCB 113 (BZ)	0.16	C90	0.023	ng/g
PCB 114 (BZ)	ND		0.023	ng/g
PCB 115 (BZ)	0.026	B C110	0.023	ng/g
PCB 116 (BZ)	0.0085	Q C85 J	0.023	ng/g
PCB 117 (BZ)	0.0085	Q C85 J	0.023	ng/g
PCB 118 (BZ)	0.060	B	0.023	ng/g
PCB 119 (BZ)	0.047	C86	0.023	ng/g
PCB 120 (BZ)	ND		0.023	ng/g
PCB 121 (BZ)	ND		0.023	ng/g
PCB 122 (BZ)	ND		0.023	ng/g
PCB 123 (BZ)	0.0018	Q J	0.023	ng/g
PCB 124 (BZ)	0.0050	C108 J	0.023	ng/g
PCB 125 (BZ)	0.047	C86	0.023	ng/g
PCB 126 (BZ)	ND		0.023	ng/g
PCB 127 (BZ)	ND		0.023	ng/g
PCB 128 (BZ)	0.0084	Q C J	0.023	ng/g
PCB 129 (BZ)	0.096	B C	0.023	ng/g
PCB 130 (BZ)	0.0089	J	0.023	ng/g
PCB 131 (BZ)	ND		0.023	ng/g
PCB 132 (BZ)	0.010	Q J	0.023	ng/g
PCB 133 (BZ)	ND		0.023	ng/g
PCB 134 (BZ)	0.0043	C J	0.023	ng/g
PCB 135 (BZ)	0.062	C	0.023	ng/g
PCB 136 (BZ)	0.0053	Q J	0.023	ng/g
PCB 137 (BZ)	0.0043	Q J	0.023	ng/g
PCB 138 (BZ)	0.096	B C129	0.023	ng/g
PCB 139 (BZ)	ND		0.023	ng/g
PCB 140 (BZ)	ND		0.023	ng/g
PCB 141 (BZ)	0.044		0.023	ng/g
PCB 142 (BZ)	ND		0.023	ng/g
PCB 143 (BZ)	0.0043	C134 J	0.023	ng/g
PCB 144 (BZ)	0.0081	J	0.023	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 001 Work Order #....: M00G41AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS	
PCB 145 (BZ)	ND		0.023	0.0012	ng/g	10
PCB 146 (BZ)	0.025		0.023	0.0013	ng/g	11
PCB 147 (BZ)	0.090	B C	0.023	0.0013	ng/g	12
PCB 148 (BZ)	ND		0.023	0.0017	ng/g	13
PCB 149 (BZ)	0.090	B C147	0.023	0.0013	ng/g	14
PCB 150 (BZ)	ND		0.023	0.0012	ng/g	
PCB 151 (BZ)	0.062	C135	0.023	0.0017	ng/g	
PCB 152 (BZ)	ND		0.023	0.0012	ng/g	
PCB 153 (BZ)	0.062	B C	0.023	0.0011	ng/g	
PCB 154 (BZ)	0.0021	Q J	0.023	0.0014	ng/g	
PCB 155 (BZ)	ND		0.023	0.0011	ng/g	
PCB 156 (BZ)	0.0065	C J	0.023	0.0013	ng/g	
PCB 157 (BZ)	0.0065	C156 J	0.023	0.0013	ng/g	
PCB 158 (BZ)	0.0053	Q J	0.023	0.00097	ng/g	
PCB 159 (BZ)	0.00093	Q J	0.023	0.0010	ng/g	
PCB 160 (BZ)	0.096	B C129	0.023	0.0012	ng/g	
PCB 161 (BZ)	ND		0.023	0.0010	ng/g	
PCB 162 (BZ)	ND		0.023	0.0010	ng/g	
PCB 163 (BZ)	0.096	B C129	0.023	0.0012	ng/g	
PCB 164 (BZ)	0.016	J	0.023	0.0011	ng/g	
PCB 165 (BZ)	ND		0.023	0.0011	ng/g	
PCB 166 (BZ)	0.0084	Q C128 J	0.023	0.0012	ng/g	
PCB 167 (BZ)	0.0038	J	0.023	0.00066	ng/g	
PCB 168 (BZ)	0.062	B C153	0.023	0.0011	ng/g	
PCB 169 (BZ)	ND		0.023	0.00099	ng/g	
PCB 170 (BZ)	0.0070	Q J	0.023	0.0013	ng/g	
PCB 171 (BZ)	ND		0.023	0.0011	ng/g	
PCB 172 (BZ)	0.0028	Q J	0.023	0.0011	ng/g	
PCB 173 (BZ)	ND		0.023	0.0011	ng/g	
PCB 174 (BZ)	0.031		0.023	0.0011	ng/g	
PCB 175 (BZ)	ND		0.023	0.0010	ng/g	
PCB 176 (BZ)	ND		0.023	0.00077	ng/g	
PCB 177 (BZ)	0.012	J	0.023	0.0011	ng/g	
PCB 178 (BZ)	0.0061	Q J	0.023	0.0011	ng/g	
PCB 179 (BZ)	0.0070	J	0.023	0.00081	ng/g	
PCB 180 (BZ)	0.026	B C	0.023	0.00086	ng/g	

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 001	Work Order #....:	M00G41AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL		ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND	0.023		0.0010	ng/g
PCB 182 (BZ)	ND	0.023		0.00098	ng/g
PCB 183 (BZ)	0.016	C J	0.023	0.0010	ng/g
PCB 184 (BZ)	ND		0.023	0.00083	ng/g
PCB 185 (BZ)	0.016	C183 J	0.023	0.0010	ng/g
PCB 186 (BZ)	ND		0.023	0.00081	ng/g
PCB 187 (BZ)	0.074		0.023	0.00094	ng/g
PCB 188 (BZ)	ND		0.023	0.00067	ng/g
PCB 189 (BZ)	ND		0.023	0.0010	ng/g
PCB 190 (BZ)	0.0024	Q J	0.023	0.00078	ng/g
PCB 191 (BZ)	ND		0.023	0.00077	ng/g
PCB 192 (BZ)	ND		0.023	0.00086	ng/g
PCB 193 (BZ)	0.026	B C180	0.023	0.00086	ng/g
PCB 194 (BZ)	ND		0.023	0.0021	ng/g
PCB 195 (BZ)	0.0036	Q J	0.023	0.0022	ng/g
PCB 196 (BZ)	ND		0.023	0.0010	ng/g
PCB 197 (BZ)	ND		0.023	0.00076	ng/g
PCB 198 (BZ)	0.011	Q C J	0.023	0.0011	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.011	Q C198 J	0.023	0.0011	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.023	0.00075	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.023	0.00072	ng/g
PCB 202 (BZ)	0.0019	Q J	0.023	0.00081	ng/g
PCB 203 (BZ)	ND		0.023	0.00094	ng/g
PCB 204 (BZ)	ND		0.023	0.00079	ng/g
PCB 205 (BZ)	ND		0.023	0.0017	ng/g
PCB 206 (BZ)	ND		0.023	0.0031	ng/g
PCB 207 (BZ)	ND		0.023	0.0018	ng/g
PCB 208 (BZ)	ND		0.023	0.0016	ng/g
PCB 209 (BZ)	ND		0.023	0.0036	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 001	Work Order #....:	M00G41AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	66	30 - 140
13C12-PCB 3	63	30 - 140
13C12-PCB 4	71	30 - 140
13C12-PCB 15	73	30 - 140
13C12-PCB 19	73	30 - 140
13C12-PCB 37	78	30 - 140
13C12-PCB 54	53	30 - 140
13C12-PCB 77	81	30 - 140
13C12-PCB 81	81	30 - 140
13C12-PCB 104	73	30 - 140
13C12-PCB 105	74	30 - 140
13C12-PCB 114	75	30 - 140
13C12-PCB 118	74	30 - 140
13C12-PCB 123	72	30 - 140
13C12-PCB 126	69	30 - 140
13C12-PCB 155	76	30 - 140
13C12-PCB 156	86	C 30 - 140
13C12-PCB 157	86	C 30 - 140
13C12-PCB 167	88	30 - 140
13C12-PCB 169	63	30 - 140
13C12-PCB 170	71	30 - 140
13C12-PCB 188	84	30 - 140
13C12-PCB 189	121	30 - 140
13C12-PCB 202	87	30 - 140
13C12-PCB 205	74	30 - 140
13C12-PCB 206	78	30 - 140
13C12-PCB 208	107	30 - 140
13C12-PCB 209	89	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	76	40 - 125
13C12-PCB 111	81	40 - 125
13C12-PCB 178	78	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-2(T)****Trace Level Organic Compounds**

Lot - Sample #....: H3E290405 - 001 Work Order #....: M00G41AE Matrix....: TA
Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
Prep Date....: 06/21/13 Analysis Date....: 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
Analyst ID....: Jon M. Nordquist

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 002 Work Order #....: M00G51AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0040	Q B J	0.020	0.0014	ng/g
PCB 2 (BZ)	0.0078	Q J	0.020	0.0015	ng/g
PCB 3 (BZ)	0.0092	Q J	0.020	0.0017	ng/g
PCB 4 (BZ)	ND		0.040	0.0064	ng/g
PCB 5 (BZ)	ND		0.020	0.0046	ng/g
PCB 6 (BZ)	ND		0.020	0.0043	ng/g
PCB 7 (BZ)	ND		0.020	0.0044	ng/g
PCB 8 (BZ)	ND		0.040	0.0042	ng/g
PCB 9 (BZ)	ND		0.020	0.0044	ng/g
PCB 10 (BZ)	ND		0.020	0.0048	ng/g
PCB 11 (BZ)	0.032	Q B J	0.040	0.0042	ng/g
PCB 12 (BZ)	0.0035	Q B C J	0.020	0.0043	ng/g
PCB 13 (BZ)	0.0035	Q B C12 J	0.020	0.0043	ng/g
PCB 14 (BZ)	ND		0.020	0.0037	ng/g
PCB 15 (BZ)	0.019	Q B J	0.020	0.0042	ng/g
PCB 16 (BZ)	0.011	Q J	0.020	0.0058	ng/g
PCB 17 (BZ)	0.0090	Q J	0.020	0.0048	ng/g
PCB 18 (BZ)	0.027	Q C J	0.040	0.0043	ng/g
PCB 19 (BZ)	ND		0.020	0.0059	ng/g
PCB 20 (BZ)	0.16	B C	0.040	0.0027	ng/g
PCB 21 (BZ)	0.0077	Q B C J	0.020	0.0027	ng/g
PCB 22 (BZ)	0.0078	Q J	0.020	0.0027	ng/g
PCB 23 (BZ)	ND		0.020	0.0028	ng/g
PCB 24 (BZ)	ND		0.020	0.0040	ng/g
PCB 25 (BZ)	0.014	Q J	0.020	0.0025	ng/g
PCB 26 (BZ)	0.073	C	0.020	0.0026	ng/g
PCB 27 (BZ)	ND		0.020	0.0035	ng/g
PCB 28 (BZ)	0.16	B C20	0.040	0.0027	ng/g
PCB 29 (BZ)	0.073	C26	0.020	0.0026	ng/g
PCB 30 (BZ)	0.027	Q C18 J	0.040	0.0043	ng/g
PCB 31 (BZ)	0.066	Q B	0.040	0.0026	ng/g
PCB 32 (BZ)	0.0032	Q J	0.020	0.0034	ng/g
PCB 33 (BZ)	0.0077	Q B C21 J	0.020	0.0027	ng/g
PCB 34 (BZ)	ND		0.020	0.0027	ng/g
PCB 35 (BZ)	ND		0.020	0.0028	ng/g
PCB 36 (BZ)	0.012	Q J	0.020	0.0027	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 002 Work Order #....: M00G51AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.020	Q B J	0.020	0.0028	ng/g
PCB 38 (BZ)	0.0087	Q J	0.020	0.0029	ng/g
PCB 39 (BZ)	0.0017	Q J	0.020	0.0025	ng/g
PCB 40 (BZ)	0.0087	Q B C J	0.020	0.0019	ng/g
PCB 41 (BZ)	0.0087	Q B C40 J	0.020	0.0019	ng/g
PCB 42 (BZ)	ND		0.020	0.0020	ng/g
PCB 43 (BZ)	ND		0.020	0.0018	ng/g
PCB 44 (BZ)	0.19	B C	0.020	0.0017	ng/g
PCB 45 (BZ)	ND		0.020	0.0020	ng/g
PCB 46 (BZ)	ND		0.020	0.0024	ng/g
PCB 47 (BZ)	0.19	B C44	0.020	0.0017	ng/g
PCB 48 (BZ)	0.0043	Q J	0.020	0.0019	ng/g
PCB 49 (BZ)	0.064	C	0.020	0.0016	ng/g
PCB 50 (BZ)	0.0065	Q C J	0.020	0.0018	ng/g
PCB 51 (BZ)	ND		0.020	0.0020	ng/g
PCB 52 (BZ)	0.32		0.020	0.0019	ng/g
PCB 53 (BZ)	0.0065	Q C50 J	0.020	0.0018	ng/g
PCB 54 (BZ)	ND		0.020	0.0041	ng/g
PCB 55 (BZ)	0.0018	Q J	0.020	0.0015	ng/g
PCB 56 (BZ)	0.018	Q J	0.020	0.0014	ng/g
PCB 57 (BZ)	ND		0.020	0.0014	ng/g
PCB 58 (BZ)	0.0034	J	0.020	0.0014	ng/g
PCB 59 (BZ)	0.0077	Q C J	0.020	0.0014	ng/g
PCB 60 (BZ)	0.018	J	0.020	0.0014	ng/g
PCB 61 (BZ)	0.21	B C	0.040	0.0014	ng/g
PCB 62 (BZ)	0.0077	Q C59 J	0.020	0.0014	ng/g
PCB 63 (BZ)	0.019	J	0.020	0.0013	ng/g
PCB 64 (BZ)	0.0050	J	0.020	0.0013	ng/g
PCB 65 (BZ)	0.19	B C44	0.020	0.0017	ng/g
PCB 66 (BZ)	0.28		0.020	0.0014	ng/g
PCB 67 (BZ)	ND		0.020	0.0013	ng/g
PCB 68 (BZ)	0.018	Q J	0.020	0.0013	ng/g
PCB 69 (BZ)	0.064	C49	0.020	0.0016	ng/g
PCB 70 (BZ)	0.21	B C61	0.040	0.0014	ng/g
PCB 71 (BZ)	0.0087	Q B C40 J	0.020	0.0019	ng/g
PCB 72 (BZ)	0.016	Q J	0.020	0.0014	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 002 Work Order #....: M00G51AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043 Instrument ID....: M1D Method: EPA-22 1668A
 Initial Wgt/Vol : 10 g Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.020	0.0018	ng/g
PCB 74 (BZ)	0.21	B C61	0.040	0.0014	ng/g
PCB 75 (BZ)	0.0077	Q C59 J	0.020	0.0014	ng/g
PCB 76 (BZ)	0.21	B C61	0.040	0.0014	ng/g
PCB 77 (BZ)	0.011	Q J	0.020	0.0013	ng/g
PCB 78 (BZ)	ND		0.020	0.0015	ng/g
PCB 79 (BZ)	0.0029	Q J	0.020	0.0013	ng/g
PCB 80 (BZ)	ND		0.020	0.0013	ng/g
PCB 81 (BZ)	ND		0.020	0.0013	ng/g
PCB 82 (BZ)	0.0087	Q J	0.020	0.0032	ng/g
PCB 83 (BZ)	0.56	C	0.020	0.0026	ng/g
PCB 84 (BZ)	0.018	J	0.020	0.0030	ng/g
PCB 85 (BZ)	0.11	C	0.020	0.0022	ng/g
PCB 86 (BZ)	0.21	C	0.020	0.0022	ng/g
PCB 87 (BZ)	0.21	C86	0.020	0.0022	ng/g
PCB 88 (BZ)	0.061	C	0.020	0.0027	ng/g
PCB 89 (BZ)	ND		0.020	0.0029	ng/g
PCB 90 (BZ)	0.64	C	0.020	0.0023	ng/g
PCB 91 (BZ)	0.061	C88	0.020	0.0027	ng/g
PCB 92 (BZ)	0.13		0.020	0.0026	ng/g
PCB 93 (BZ)	ND		0.020	0.0026	ng/g
PCB 94 (BZ)	ND		0.020	0.0029	ng/g
PCB 95 (BZ)	0.17		0.020	0.0027	ng/g
PCB 96 (BZ)	ND		0.020	0.0022	ng/g
PCB 97 (BZ)	0.21	C86	0.020	0.0022	ng/g
PCB 98 (BZ)	ND		0.020	0.0025	ng/g
PCB 99 (BZ)	0.56	C83	0.020	0.0026	ng/g
PCB 100 (BZ)	ND		0.020	0.0026	ng/g
PCB 101 (BZ)	0.64	C90	0.020	0.0023	ng/g
PCB 102 (BZ)	ND		0.020	0.0025	ng/g
PCB 103 (BZ)	0.010	J	0.020	0.0026	ng/g
PCB 104 (BZ)	ND		0.020	0.0019	ng/g
PCB 105 (BZ)	0.20		0.020	0.0012	ng/g
PCB 106 (BZ)	ND		0.020	0.0013	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.065		0.020	0.0012	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.026	C	0.020	0.0013	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 002 Work Order #....: M00G51AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.21	C86	0.020	0.0022	ng/g
PCB 110 (BZ)	0.14	B C	0.020	0.0019	ng/g
PCB 111 (BZ)	0.0045	Q J	0.020	0.0018	ng/g
PCB 112 (BZ)	ND		0.020	0.0020	ng/g
PCB 113 (BZ)	0.64	C90	0.020	0.0023	ng/g
PCB 114 (BZ)	0.016	Q J	0.020	0.0012	ng/g
PCB 115 (BZ)	0.14	B C110	0.020	0.0019	ng/g
PCB 116 (BZ)	0.11	C85	0.020	0.0022	ng/g
PCB 117 (BZ)	0.11	C85	0.020	0.0022	ng/g
PCB 118 (BZ)	0.83	B	0.020	0.0013	ng/g
PCB 119 (BZ)	0.21	C86	0.020	0.0022	ng/g
PCB 120 (BZ)	0.011	Q J	0.020	0.0019	ng/g
PCB 121 (BZ)	ND		0.020	0.0019	ng/g
PCB 122 (BZ)	0.0063	Q J	0.020	0.0014	ng/g
PCB 123 (BZ)	0.017	Q J	0.020	0.0014	ng/g
PCB 124 (BZ)	0.026	C108	0.020	0.0013	ng/g
PCB 125 (BZ)	0.21	C86	0.020	0.0022	ng/g
PCB 126 (BZ)	0.021	Q	0.020	0.0011	ng/g
PCB 127 (BZ)	0.0026	Q J	0.020	0.0013	ng/g
PCB 128 (BZ)	0.10	C	0.020	0.0021	ng/g
PCB 129 (BZ)	0.88	B C	0.020	0.0021	ng/g
PCB 130 (BZ)	0.052		0.020	0.0028	ng/g
PCB 131 (BZ)	ND		0.020	0.0028	ng/g
PCB 132 (BZ)	0.055		0.020	0.0027	ng/g
PCB 133 (BZ)	0.019	Q J	0.020	0.0026	ng/g
PCB 134 (BZ)	0.010	C J	0.020	0.0028	ng/g
PCB 135 (BZ)	0.21	C	0.020	0.0045	ng/g
PCB 136 (BZ)	0.027		0.020	0.0033	ng/g
PCB 137 (BZ)	0.041		0.020	0.0024	ng/g
PCB 138 (BZ)	0.88	B C129	0.020	0.0021	ng/g
PCB 139 (BZ)	0.0053	Q C J	0.020	0.0024	ng/g
PCB 140 (BZ)	0.0053	Q C139 J	0.020	0.0024	ng/g
PCB 141 (BZ)	0.12		0.020	0.0025	ng/g
PCB 142 (BZ)	ND		0.020	0.0027	ng/g
PCB 143 (BZ)	0.010	C134 J	0.020	0.0028	ng/g
PCB 144 (BZ)	0.028	Q	0.020	0.0042	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 002 Work Order #....: M00G51AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.020	0.0031	ng/g
PCB 146 (BZ)	0.17		0.020	0.0022	ng/g
PCB 147 (BZ)	0.28	B C	0.020	0.0023	ng/g
PCB 148 (BZ)	ND		0.020	0.0044	ng/g
PCB 149 (BZ)	0.28	B C147	0.020	0.0023	ng/g
PCB 150 (BZ)	ND		0.020	0.0031	ng/g
PCB 151 (BZ)	0.21	C135	0.020	0.0045	ng/g
PCB 152 (BZ)	ND		0.020	0.0031	ng/g
PCB 153 (BZ)	0.83	B C	0.020	0.0018	ng/g
PCB 154 (BZ)	0.021	Q	0.020	0.0036	ng/g
PCB 155 (BZ)	ND		0.020	0.0030	ng/g
PCB 156 (BZ)	0.10	C	0.020	0.0022	ng/g
PCB 157 (BZ)	0.10	C156	0.020	0.0022	ng/g
PCB 158 (BZ)	0.058		0.020	0.0017	ng/g
PCB 159 (BZ)	0.0077	J	0.020	0.0018	ng/g
PCB 160 (BZ)	0.88	B C129	0.020	0.0021	ng/g
PCB 161 (BZ)	ND		0.020	0.0018	ng/g
PCB 162 (BZ)	0.0047	Q J	0.020	0.0018	ng/g
PCB 163 (BZ)	0.88	B C129	0.020	0.0021	ng/g
PCB 164 (BZ)	0.051		0.020	0.0019	ng/g
PCB 165 (BZ)	ND		0.020	0.0020	ng/g
PCB 166 (BZ)	0.10	C128	0.020	0.0021	ng/g
PCB 167 (BZ)	0.044		0.020	0.0012	ng/g
PCB 168 (BZ)	0.83	B C153	0.020	0.0018	ng/g
PCB 169 (BZ)	0.010	Q J	0.020	0.0017	ng/g
PCB 170 (BZ)	0.085		0.020	0.0025	ng/g
PCB 171 (BZ)	0.026	C	0.020	0.0025	ng/g
PCB 172 (BZ)	0.036		0.020	0.0025	ng/g
PCB 173 (BZ)	0.026	C171	0.020	0.0025	ng/g
PCB 174 (BZ)	0.12		0.020	0.0023	ng/g
PCB 175 (BZ)	ND		0.020	0.0022	ng/g
PCB 176 (BZ)	0.0090	Q J	0.020	0.0017	ng/g
PCB 177 (BZ)	0.088		0.020	0.0024	ng/g
PCB 178 (BZ)	0.067		0.020	0.0024	ng/g
PCB 179 (BZ)	0.031		0.020	0.0018	ng/g
PCB 180 (BZ)	0.38	B C	0.020	0.0019	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 002	Work Order #....:	M00G51AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0074	J	0.020	0.0022	ng/g
PCB 182 (BZ)	0.0028	Q J	0.020	0.0022	ng/g
PCB 183 (BZ)	0.11	C	0.020	0.0022	ng/g
PCB 184 (BZ)	ND		0.020	0.0018	ng/g
PCB 185 (BZ)	0.11	C183	0.020	0.0022	ng/g
PCB 186 (BZ)	ND		0.020	0.0018	ng/g
PCB 187 (BZ)	0.40		0.020	0.0021	ng/g
PCB 188 (BZ)	ND		0.020	0.0016	ng/g
PCB 189 (BZ)	0.0049	Q J	0.020	0.0019	ng/g
PCB 190 (BZ)	0.030		0.020	0.0017	ng/g
PCB 191 (BZ)	0.0090	Q J	0.020	0.0017	ng/g
PCB 192 (BZ)	0.0034	Q J	0.020	0.0019	ng/g
PCB 193 (BZ)	0.38	B C180	0.020	0.0019	ng/g
PCB 194 (BZ)	0.042	B	0.020	0.0030	ng/g
PCB 195 (BZ)	0.023		0.020	0.0032	ng/g
PCB 196 (BZ)	0.014	Q J	0.020	0.0019	ng/g
PCB 197 (BZ)	ND		0.020	0.0014	ng/g
PCB 198 (BZ)	0.058	C	0.020	0.0020	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.058	C198	0.020	0.0020	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0041	J	0.020	0.0014	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0088	J	0.020	0.0013	ng/g
PCB 202 (BZ)	0.023		0.020	0.0015	ng/g
PCB 203 (BZ)	0.023		0.020	0.0018	ng/g
PCB 204 (BZ)	ND		0.020	0.0015	ng/g
PCB 205 (BZ)	ND		0.020	0.0025	ng/g
PCB 206 (BZ)	0.024	Q	0.020	0.0043	ng/g
PCB 207 (BZ)	ND		0.020	0.0024	ng/g
PCB 208 (BZ)	0.013	Q J	0.020	0.0021	ng/g
PCB 209 (BZ)	0.024		0.020	0.0055	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 002	Work Order #....:	M00G51AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	55	30 - 140
13C12-PCB 3	48	30 - 140
13C12-PCB 4	73	30 - 140
13C12-PCB 15	89	30 - 140
13C12-PCB 19	75	30 - 140
13C12-PCB 37	98	30 - 140
13C12-PCB 54	60	30 - 140
13C12-PCB 77	97	30 - 140
13C12-PCB 81	95	30 - 140
13C12-PCB 104	89	30 - 140
13C12-PCB 105	73	30 - 140
13C12-PCB 114	72	30 - 140
13C12-PCB 118	67	30 - 140
13C12-PCB 123	65	30 - 140
13C12-PCB 126	83	30 - 140
13C12-PCB 155	75	30 - 140
13C12-PCB 156	98	C 30 - 140
13C12-PCB 157	98	C 30 - 140
13C12-PCB 167	98	30 - 140
13C12-PCB 169	71	30 - 140
13C12-PCB 170	70	30 - 140
13C12-PCB 188	69	30 - 140
13C12-PCB 189	125	30 - 140
13C12-PCB 202	85	30 - 140
13C12-PCB 205	76	30 - 140
13C12-PCB 206	76	30 - 140
13C12-PCB 208	101	30 - 140
13C12-PCB 209	75	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	93	40 - 125
13C12-PCB 111	88	40 - 125
13C12-PCB 178	73	40 - 125

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TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-2(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 002	Work Order #....:	M00G51AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 003 Work Order #....: M00G61AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.023	0.00065	ng/g
PCB 2 (BZ)	ND		0.023	0.00071	ng/g
PCB 3 (BZ)	ND		0.023	0.00076	ng/g
PCB 4 (BZ)	ND		0.045	0.0074	ng/g
PCB 5 (BZ)	ND		0.023	0.0050	ng/g
PCB 6 (BZ)	ND		0.023	0.0047	ng/g
PCB 7 (BZ)	0.0055	Q B J	0.023	0.0049	ng/g
PCB 8 (BZ)	0.0096	Q B J	0.045	0.0046	ng/g
PCB 9 (BZ)	0.0033	Q B J	0.023	0.0049	ng/g
PCB 10 (BZ)	ND		0.023	0.0052	ng/g
PCB 11 (BZ)	0.013	Q B J	0.045	0.0047	ng/g
PCB 12 (BZ)	ND		0.023	0.0048	ng/g
PCB 13 (BZ)	ND		0.023	0.0048	ng/g
PCB 14 (BZ)	ND		0.023	0.0041	ng/g
PCB 15 (BZ)	0.0070	Q B J	0.023	0.0045	ng/g
PCB 16 (BZ)	ND		0.023	0.0030	ng/g
PCB 17 (BZ)	ND		0.023	0.0025	ng/g
PCB 18 (BZ)	0.0070	C J	0.045	0.0022	ng/g
PCB 19 (BZ)	ND		0.023	0.0031	ng/g
PCB 20 (BZ)	0.0099	Q B C J	0.045	0.00069	ng/g
PCB 21 (BZ)	0.0011	Q B C J	0.023	0.00069	ng/g
PCB 22 (BZ)	ND		0.023	0.00070	ng/g
PCB 23 (BZ)	ND		0.023	0.00072	ng/g
PCB 24 (BZ)	ND		0.023	0.0021	ng/g
PCB 25 (BZ)	ND		0.023	0.00064	ng/g
PCB 26 (BZ)	0.0084	C J	0.023	0.00068	ng/g
PCB 27 (BZ)	ND		0.023	0.0018	ng/g
PCB 28 (BZ)	0.0099	Q B C20 J	0.045	0.00069	ng/g
PCB 29 (BZ)	0.0084	C26 J	0.023	0.00068	ng/g
PCB 30 (BZ)	0.0070	C18 J	0.045	0.0022	ng/g
PCB 31 (BZ)	0.0064	Q B J	0.045	0.00067	ng/g
PCB 32 (BZ)	ND		0.023	0.0018	ng/g
PCB 33 (BZ)	0.0011	Q B C21 J	0.023	0.00069	ng/g
PCB 34 (BZ)	ND		0.023	0.00071	ng/g
PCB 35 (BZ)	ND		0.023	0.00073	ng/g
PCB 36 (BZ)	ND		0.023	0.00070	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 003 Work Order #....: M00G61AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00059	Q B J	0.023	0.00072	ng/g
PCB 38 (BZ)	ND		0.023	0.00074	ng/g
PCB 39 (BZ)	ND		0.023	0.00066	ng/g
PCB 40 (BZ)	0.0023	Q B C J	0.023	0.00085	ng/g
PCB 41 (BZ)	0.0023	Q B C40 J	0.023	0.00085	ng/g
PCB 42 (BZ)	ND		0.023	0.00086	ng/g
PCB 43 (BZ)	ND		0.023	0.00079	ng/g
PCB 44 (BZ)	0.023	B C	0.023	0.00076	ng/g
PCB 45 (BZ)	ND		0.023	0.00088	ng/g
PCB 46 (BZ)	ND		0.023	0.0010	ng/g
PCB 47 (BZ)	0.023	B C44	0.023	0.00076	ng/g
PCB 48 (BZ)	ND		0.023	0.00084	ng/g
PCB 49 (BZ)	0.0086	Q C J	0.023	0.00070	ng/g
PCB 50 (BZ)	ND		0.023	0.00081	ng/g
PCB 51 (BZ)	ND		0.023	0.00088	ng/g
PCB 52 (BZ)	0.064		0.023	0.00082	ng/g
PCB 53 (BZ)	ND		0.023	0.00081	ng/g
PCB 54 (BZ)	ND		0.023	0.0028	ng/g
PCB 55 (BZ)	ND		0.023	0.00066	ng/g
PCB 56 (BZ)	0.0032	Q J	0.023	0.00062	ng/g
PCB 57 (BZ)	ND		0.023	0.00062	ng/g
PCB 58 (BZ)	ND		0.023	0.00062	ng/g
PCB 59 (BZ)	ND		0.023	0.00060	ng/g
PCB 60 (BZ)	0.0022	Q J	0.023	0.00064	ng/g
PCB 61 (BZ)	0.033	B C J	0.045	0.00060	ng/g
PCB 62 (BZ)	ND		0.023	0.00060	ng/g
PCB 63 (BZ)	ND		0.023	0.00058	ng/g
PCB 64 (BZ)	ND		0.023	0.00057	ng/g
PCB 65 (BZ)	0.023	B C44	0.023	0.00076	ng/g
PCB 66 (BZ)	0.023		0.023	0.00060	ng/g
PCB 67 (BZ)	ND		0.023	0.00056	ng/g
PCB 68 (BZ)	ND		0.023	0.00057	ng/g
PCB 69 (BZ)	0.0086	Q C49 J	0.023	0.00070	ng/g
PCB 70 (BZ)	0.033	B C61 J	0.045	0.00060	ng/g
PCB 71 (BZ)	0.0023	Q B C40 J	0.023	0.00085	ng/g
PCB 72 (BZ)	0.0024	J	0.023	0.00061	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 003 Work Order #....: M00G61AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.8 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.023	0.00079	ng/g
PCB 74 (BZ)	0.033	B C61 J	0.045	0.00060	ng/g
PCB 75 (BZ)	ND		0.023	0.00060	ng/g
PCB 76 (BZ)	0.033	B C61 J	0.045	0.00060	ng/g
PCB 77 (BZ)	ND		0.023	0.00058	ng/g
PCB 78 (BZ)	ND		0.023	0.00065	ng/g
PCB 79 (BZ)	ND		0.023	0.00057	ng/g
PCB 80 (BZ)	ND		0.023	0.00055	ng/g
PCB 81 (BZ)	ND		0.023	0.00059	ng/g
PCB 82 (BZ)	ND		0.023	0.0017	ng/g
PCB 83 (BZ)	0.040	C	0.023	0.0015	ng/g
PCB 84 (BZ)	0.0037	Q J	0.023	0.0017	ng/g
PCB 85 (BZ)	0.0056	Q C J	0.023	0.0012	ng/g
PCB 86 (BZ)	0.037	C	0.023	0.0012	ng/g
PCB 87 (BZ)	0.037	C86	0.023	0.0012	ng/g
PCB 88 (BZ)	0.0051	C J	0.023	0.0015	ng/g
PCB 89 (BZ)	ND		0.023	0.0016	ng/g
PCB 90 (BZ)	0.14	C	0.023	0.0013	ng/g
PCB 91 (BZ)	0.0051	C88 J	0.023	0.0015	ng/g
PCB 92 (BZ)	0.022	Q J	0.023	0.0014	ng/g
PCB 93 (BZ)	ND		0.023	0.0014	ng/g
PCB 94 (BZ)	ND		0.023	0.0016	ng/g
PCB 95 (BZ)	0.052	Q	0.023	0.0015	ng/g
PCB 96 (BZ)	ND		0.023	0.0012	ng/g
PCB 97 (BZ)	0.037	C86	0.023	0.0012	ng/g
PCB 98 (BZ)	ND		0.023	0.0014	ng/g
PCB 99 (BZ)	0.040	C83	0.023	0.0015	ng/g
PCB 100 (BZ)	ND		0.023	0.0014	ng/g
PCB 101 (BZ)	0.14	C90	0.023	0.0013	ng/g
PCB 102 (BZ)	ND		0.023	0.0014	ng/g
PCB 103 (BZ)	ND		0.023	0.0014	ng/g
PCB 104 (BZ)	ND		0.023	0.0011	ng/g
PCB 105 (BZ)	0.012	J	0.023	0.00069	ng/g
PCB 106 (BZ)	ND		0.023	0.00073	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0039	J	0.023	0.00071	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0036	Q C J	0.023	0.00074	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 003	Work Order #....:	M00G61AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.037	C86	0.023	ng/g
PCB 110 (BZ)	0.025	B C	0.023	ng/g
PCB 111 (BZ)	ND		0.023	ng/g
PCB 112 (BZ)	ND		0.023	ng/g
PCB 113 (BZ)	0.14	C90	0.023	ng/g
PCB 114 (BZ)	ND		0.023	ng/g
PCB 115 (BZ)	0.025	B C110	0.023	ng/g
PCB 116 (BZ)	0.0056	Q C85 J	0.023	ng/g
PCB 117 (BZ)	0.0056	Q C85 J	0.023	ng/g
PCB 118 (BZ)	0.045	B	0.023	ng/g
PCB 119 (BZ)	0.037	C86	0.023	ng/g
PCB 120 (BZ)	ND		0.023	ng/g
PCB 121 (BZ)	ND		0.023	ng/g
PCB 122 (BZ)	ND		0.023	ng/g
PCB 123 (BZ)	ND		0.023	ng/g
PCB 124 (BZ)	0.0036	Q C108 J	0.023	ng/g
PCB 125 (BZ)	0.037	C86	0.023	ng/g
PCB 126 (BZ)	ND		0.023	ng/g
PCB 127 (BZ)	ND		0.023	ng/g
PCB 128 (BZ)	0.0058	C J	0.023	ng/g
PCB 129 (BZ)	0.082	B C	0.023	ng/g
PCB 130 (BZ)	0.0061	J	0.023	ng/g
PCB 131 (BZ)	ND		0.023	ng/g
PCB 132 (BZ)	0.0084	Q J	0.023	ng/g
PCB 133 (BZ)	ND		0.023	ng/g
PCB 134 (BZ)	ND		0.023	ng/g
PCB 135 (BZ)	0.056	C	0.023	ng/g
PCB 136 (BZ)	0.0037	Q J	0.023	ng/g
PCB 137 (BZ)	0.0013	Q J	0.023	ng/g
PCB 138 (BZ)	0.082	B C129	0.023	ng/g
PCB 139 (BZ)	ND		0.023	ng/g
PCB 140 (BZ)	ND		0.023	ng/g
PCB 141 (BZ)	0.030		0.023	ng/g
PCB 142 (BZ)	ND		0.023	ng/g
PCB 143 (BZ)	ND		0.023	ng/g
PCB 144 (BZ)	0.0048	Q J	0.023	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 003	Work Order #....:	M00G61AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.023	0.0012	ng/g
PCB 146 (BZ)	0.017	J	0.023	0.0014	ng/g
PCB 147 (BZ)	0.068	B C	0.023	0.0014	ng/g
PCB 148 (BZ)	ND		0.023	0.0017	ng/g
PCB 149 (BZ)	0.068	B C147	0.023	0.0014	ng/g
PCB 150 (BZ)	ND		0.023	0.0012	ng/g
PCB 151 (BZ)	0.056	C135	0.023	0.0018	ng/g
PCB 152 (BZ)	ND		0.023	0.0012	ng/g
PCB 153 (BZ)	0.056	B C	0.023	0.0011	ng/g
PCB 154 (BZ)	ND		0.023	0.0014	ng/g
PCB 155 (BZ)	ND		0.023	0.0012	ng/g
PCB 156 (BZ)	0.0044	C J	0.023	0.0013	ng/g
PCB 157 (BZ)	0.0044	C156 J	0.023	0.0013	ng/g
PCB 158 (BZ)	0.0048	Q J	0.023	0.0010	ng/g
PCB 159 (BZ)	ND		0.023	0.0011	ng/g
PCB 160 (BZ)	0.082	B C129	0.023	0.0013	ng/g
PCB 161 (BZ)	ND		0.023	0.0011	ng/g
PCB 162 (BZ)	ND		0.023	0.0011	ng/g
PCB 163 (BZ)	0.082	B C129	0.023	0.0013	ng/g
PCB 164 (BZ)	0.011	J	0.023	0.0011	ng/g
PCB 165 (BZ)	ND		0.023	0.0012	ng/g
PCB 166 (BZ)	0.0058	C128 J	0.023	0.0013	ng/g
PCB 167 (BZ)	0.0020	Q J	0.023	0.00070	ng/g
PCB 168 (BZ)	0.056	B C153	0.023	0.0011	ng/g
PCB 169 (BZ)	ND		0.023	0.0011	ng/g
PCB 170 (BZ)	0.0057	J	0.023	0.0019	ng/g
PCB 171 (BZ)	ND		0.023	0.0014	ng/g
PCB 172 (BZ)	0.0031	Q J	0.023	0.0014	ng/g
PCB 173 (BZ)	ND		0.023	0.0014	ng/g
PCB 174 (BZ)	0.024	Q	0.023	0.0013	ng/g
PCB 175 (BZ)	ND		0.023	0.0013	ng/g
PCB 176 (BZ)	ND		0.023	0.00097	ng/g
PCB 177 (BZ)	0.0086	J	0.023	0.0014	ng/g
PCB 178 (BZ)	0.0055	Q J	0.023	0.0014	ng/g
PCB 179 (BZ)	0.0056	Q J	0.023	0.0010	ng/g
PCB 180 (BZ)	0.019	B C J	0.023	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 003	Work Order #....:	M00G61AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.023	0.0013	ng/g
PCB 182 (BZ)	ND		0.023	0.0012	ng/g
PCB 183 (BZ)	0.012	C J	0.023	0.0013	ng/g
PCB 184 (BZ)	ND		0.023	0.0010	ng/g
PCB 185 (BZ)	0.012	C183 J	0.023	0.0013	ng/g
PCB 186 (BZ)	ND		0.023	0.0010	ng/g
PCB 187 (BZ)	0.064		0.023	0.0012	ng/g
PCB 188 (BZ)	ND		0.023	0.00080	ng/g
PCB 189 (BZ)	ND		0.023	0.0014	ng/g
PCB 190 (BZ)	ND		0.023	0.00098	ng/g
PCB 191 (BZ)	ND		0.023	0.00097	ng/g
PCB 192 (BZ)	ND		0.023	0.0011	ng/g
PCB 193 (BZ)	0.019	B C180 J	0.023	0.0011	ng/g
PCB 194 (BZ)	ND		0.023	0.0029	ng/g
PCB 195 (BZ)	ND		0.023	0.0031	ng/g
PCB 196 (BZ)	ND		0.023	0.0011	ng/g
PCB 197 (BZ)	ND		0.023	0.00079	ng/g
PCB 198 (BZ)	0.0078	C J	0.023	0.0011	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.0078	C198 J	0.023	0.0011	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.023	0.00078	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.023	0.00075	ng/g
PCB 202 (BZ)	0.0017	Q J	0.023	0.00085	ng/g
PCB 203 (BZ)	0.0014	Q J	0.023	0.00098	ng/g
PCB 204 (BZ)	ND		0.023	0.00082	ng/g
PCB 205 (BZ)	ND		0.023	0.0024	ng/g
PCB 206 (BZ)	ND		0.023	0.0038	ng/g
PCB 207 (BZ)	ND		0.023	0.0022	ng/g
PCB 208 (BZ)	ND		0.023	0.0021	ng/g
PCB 209 (BZ)	ND		0.023	0.0047	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 003	Work Order #....:	M00G61AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	50	30 - 140
13C12-PCB 3	59	30 - 140
13C12-PCB 4	67	30 - 140
13C12-PCB 15	83	30 - 140
13C12-PCB 19	68	30 - 140
13C12-PCB 37	92	30 - 140
13C12-PCB 54	51	30 - 140
13C12-PCB 77	92	30 - 140
13C12-PCB 81	91	30 - 140
13C12-PCB 104	68	30 - 140
13C12-PCB 105	76	30 - 140
13C12-PCB 114	78	30 - 140
13C12-PCB 118	74	30 - 140
13C12-PCB 123	73	30 - 140
13C12-PCB 126	75	30 - 140
13C12-PCB 155	74	30 - 140
13C12-PCB 156	89	C
13C12-PCB 157	89	C
13C12-PCB 167	89	30 - 140
13C12-PCB 169	60	30 - 140
13C12-PCB 170	67	30 - 140
13C12-PCB 188	93	30 - 140
13C12-PCB 189	133	30 - 140
13C12-PCB 202	99	30 - 140
13C12-PCB 205	70	30 - 140
13C12-PCB 206	73	30 - 140
13C12-PCB 208	107	30 - 140
13C12-PCB 209	74	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	82	40 - 125
13C12-PCB 111	83	40 - 125
13C12-PCB 178	89	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-3(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 003	Work Order #....:	M00G61AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.8 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 004 Work Order #....: M00G71AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0031	Q B J	0.020	0.0012	ng/g
PCB 2 (BZ)	ND		0.020	0.0013	ng/g
PCB 3 (BZ)	ND		0.020	0.0013	ng/g
PCB 4 (BZ)	ND		0.039	0.0090	ng/g
PCB 5 (BZ)	ND		0.020	0.0064	ng/g
PCB 6 (BZ)	ND		0.020	0.0061	ng/g
PCB 7 (BZ)	ND		0.020	0.0062	ng/g
PCB 8 (BZ)	ND		0.039	0.0059	ng/g
PCB 9 (BZ)	ND		0.020	0.0063	ng/g
PCB 10 (BZ)	ND		0.020	0.0067	ng/g
PCB 11 (BZ)	0.033	Q B J	0.039	0.0060	ng/g
PCB 12 (BZ)	ND		0.020	0.0061	ng/g
PCB 13 (BZ)	ND		0.020	0.0061	ng/g
PCB 14 (BZ)	ND		0.020	0.0053	ng/g
PCB 15 (BZ)	0.026	Q B	0.020	0.0059	ng/g
PCB 16 (BZ)	ND		0.020	0.0059	ng/g
PCB 17 (BZ)	ND		0.020	0.0049	ng/g
PCB 18 (BZ)	0.030	Q C J	0.039	0.0043	ng/g
PCB 19 (BZ)	ND		0.020	0.0060	ng/g
PCB 20 (BZ)	0.15	B C	0.039	0.0025	ng/g
PCB 21 (BZ)	0.0071	Q B C J	0.020	0.0025	ng/g
PCB 22 (BZ)	0.0017	Q J	0.020	0.0026	ng/g
PCB 23 (BZ)	ND		0.020	0.0026	ng/g
PCB 24 (BZ)	0.028	Q	0.020	0.0041	ng/g
PCB 25 (BZ)	0.013	Q J	0.020	0.0023	ng/g
PCB 26 (BZ)	0.067	Q C	0.020	0.0025	ng/g
PCB 27 (BZ)	ND		0.020	0.0035	ng/g
PCB 28 (BZ)	0.15	B C20	0.039	0.0025	ng/g
PCB 29 (BZ)	0.067	Q C26	0.020	0.0025	ng/g
PCB 30 (BZ)	0.030	Q C18 J	0.039	0.0043	ng/g
PCB 31 (BZ)	0.071	Q B	0.039	0.0025	ng/g
PCB 32 (BZ)	ND		0.020	0.0035	ng/g
PCB 33 (BZ)	0.0071	Q B C21 J	0.020	0.0025	ng/g
PCB 34 (BZ)	0.0031	Q J	0.020	0.0026	ng/g
PCB 35 (BZ)	0.0024	Q J	0.020	0.0027	ng/g
PCB 36 (BZ)	0.0071	Q J	0.020	0.0026	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 004 Work Order #....: M00G71AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.021	Q B	0.020	0.0026	ng/g
PCB 38 (BZ)	ND		0.020	0.0027	ng/g
PCB 39 (BZ)	ND		0.020	0.0024	ng/g
PCB 40 (BZ)	0.011	Q B C J	0.020	0.0016	ng/g
PCB 41 (BZ)	0.011	Q B C40 J	0.020	0.0016	ng/g
PCB 42 (BZ)	0.0062	Q J	0.020	0.0016	ng/g
PCB 43 (BZ)	ND		0.020	0.0015	ng/g
PCB 44 (BZ)	0.17	B C	0.020	0.0014	ng/g
PCB 45 (BZ)	ND		0.020	0.0016	ng/g
PCB 46 (BZ)	ND		0.020	0.0019	ng/g
PCB 47 (BZ)	0.17	B C44	0.020	0.0014	ng/g
PCB 48 (BZ)	0.0059	J	0.020	0.0016	ng/g
PCB 49 (BZ)	0.063	C	0.020	0.0013	ng/g
PCB 50 (BZ)	0.0085	Q C J	0.020	0.0015	ng/g
PCB 51 (BZ)	ND		0.020	0.0016	ng/g
PCB 52 (BZ)	0.27		0.020	0.0015	ng/g
PCB 53 (BZ)	0.0085	Q C50 J	0.020	0.0015	ng/g
PCB 54 (BZ)	ND		0.020	0.0038	ng/g
PCB 55 (BZ)	0.0027	Q J	0.020	0.0012	ng/g
PCB 56 (BZ)	0.022		0.020	0.0012	ng/g
PCB 57 (BZ)	0.0027	J	0.020	0.0012	ng/g
PCB 58 (BZ)	0.0025	Q J	0.020	0.0012	ng/g
PCB 59 (BZ)	0.0098	Q C J	0.020	0.0011	ng/g
PCB 60 (BZ)	0.014	Q J	0.020	0.0012	ng/g
PCB 61 (BZ)	0.22	B C	0.039	0.0011	ng/g
PCB 62 (BZ)	0.0098	Q C59 J	0.020	0.0011	ng/g
PCB 63 (BZ)	0.017	J	0.020	0.0011	ng/g
PCB 64 (BZ)	0.0047	Q J	0.020	0.0011	ng/g
PCB 65 (BZ)	0.17	B C44	0.020	0.0014	ng/g
PCB 66 (BZ)	0.25		0.020	0.0011	ng/g
PCB 67 (BZ)	0.0025	Q J	0.020	0.0010	ng/g
PCB 68 (BZ)	0.014	Q J	0.020	0.0011	ng/g
PCB 69 (BZ)	0.063	C49	0.020	0.0013	ng/g
PCB 70 (BZ)	0.22	B C61	0.039	0.0011	ng/g
PCB 71 (BZ)	0.011	Q B C40 J	0.020	0.0016	ng/g
PCB 72 (BZ)	0.018	J	0.020	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 004 Work Order #....: M00G71AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.020	0.0015	ng/g
PCB 74 (BZ)	0.22	B C61	0.039	0.0011	ng/g
PCB 75 (BZ)	0.0098	Q C59 J	0.020	0.0011	ng/g
PCB 76 (BZ)	0.22	B C61	0.039	0.0011	ng/g
PCB 77 (BZ)	0.016	J	0.020	0.0011	ng/g
PCB 78 (BZ)	ND		0.020	0.0012	ng/g
PCB 79 (BZ)	0.0039	Q J	0.020	0.0011	ng/g
PCB 80 (BZ)	ND		0.020	0.0010	ng/g
PCB 81 (BZ)	ND		0.020	0.0011	ng/g
PCB 82 (BZ)	0.0055	Q J	0.020	0.0030	ng/g
PCB 83 (BZ)	0.59	C	0.020	0.0025	ng/g
PCB 84 (BZ)	0.017	J	0.020	0.0029	ng/g
PCB 85 (BZ)	0.11	C	0.020	0.0021	ng/g
PCB 86 (BZ)	0.24	C	0.020	0.0021	ng/g
PCB 87 (BZ)	0.24	C86	0.020	0.0021	ng/g
PCB 88 (BZ)	0.058	C	0.020	0.0026	ng/g
PCB 89 (BZ)	ND		0.020	0.0028	ng/g
PCB 90 (BZ)	0.64	C	0.020	0.0022	ng/g
PCB 91 (BZ)	0.058	C88	0.020	0.0026	ng/g
PCB 92 (BZ)	0.14		0.020	0.0025	ng/g
PCB 93 (BZ)	ND		0.020	0.0025	ng/g
PCB 94 (BZ)	ND		0.020	0.0028	ng/g
PCB 95 (BZ)	0.19		0.020	0.0026	ng/g
PCB 96 (BZ)	ND		0.020	0.0021	ng/g
PCB 97 (BZ)	0.24	C86	0.020	0.0021	ng/g
PCB 98 (BZ)	ND		0.020	0.0024	ng/g
PCB 99 (BZ)	0.59	C83	0.020	0.0025	ng/g
PCB 100 (BZ)	ND		0.020	0.0025	ng/g
PCB 101 (BZ)	0.64	C90	0.020	0.0022	ng/g
PCB 102 (BZ)	ND		0.020	0.0024	ng/g
PCB 103 (BZ)	0.013	J	0.020	0.0024	ng/g
PCB 104 (BZ)	ND		0.020	0.0019	ng/g
PCB 105 (BZ)	0.17		0.020	0.0011	ng/g
PCB 106 (BZ)	ND		0.020	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.065		0.020	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.026	C	0.020	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 004 Work Order #....: M00G71AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.24	C86	0.020	ng/g
PCB 110 (BZ)	0.16	B C	0.020	ng/g
PCB 111 (BZ)	0.0033	Q J	0.020	ng/g
PCB 112 (BZ)	ND		0.020	ng/g
PCB 113 (BZ)	0.64	C90	0.020	ng/g
PCB 114 (BZ)	0.013	J	0.020	ng/g
PCB 115 (BZ)	0.16	B C110	0.020	ng/g
PCB 116 (BZ)	0.11	C85	0.020	ng/g
PCB 117 (BZ)	0.11	C85	0.020	ng/g
PCB 118 (BZ)	0.71	B	0.020	ng/g
PCB 119 (BZ)	0.24	C86	0.020	ng/g
PCB 120 (BZ)	0.015	J	0.020	ng/g
PCB 121 (BZ)	ND		0.020	ng/g
PCB 122 (BZ)	0.0068	Q J	0.020	ng/g
PCB 123 (BZ)	0.014	Q J	0.020	ng/g
PCB 124 (BZ)	0.026	C108	0.020	ng/g
PCB 125 (BZ)	0.24	C86	0.020	ng/g
PCB 126 (BZ)	0.018	Q J	0.020	ng/g
PCB 127 (BZ)	0.0025	J	0.020	ng/g
PCB 128 (BZ)	0.095	C	0.020	ng/g
PCB 129 (BZ)	0.82	B C	0.020	ng/g
PCB 130 (BZ)	0.047		0.020	ng/g
PCB 131 (BZ)	ND		0.020	ng/g
PCB 132 (BZ)	0.061		0.020	ng/g
PCB 133 (BZ)	0.023	Q	0.020	ng/g
PCB 134 (BZ)	0.017	C J	0.020	ng/g
PCB 135 (BZ)	0.21	C	0.020	ng/g
PCB 136 (BZ)	0.028	Q	0.020	ng/g
PCB 137 (BZ)	0.038	Q	0.020	ng/g
PCB 138 (BZ)	0.82	B C129	0.020	ng/g
PCB 139 (BZ)	0.0058	Q C J	0.020	ng/g
PCB 140 (BZ)	0.0058	Q C139 J	0.020	ng/g
PCB 141 (BZ)	0.11		0.020	ng/g
PCB 142 (BZ)	ND		0.020	ng/g
PCB 143 (BZ)	0.017	C134 J	0.020	ng/g
PCB 144 (BZ)	0.023		0.020	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 004 Work Order #....: M00G71AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.020	0.0026	ng/g
PCB 146 (BZ)	0.17	0.020	0.0019	ng/g
PCB 147 (BZ)	0.31	B C	0.0019	ng/g
PCB 148 (BZ)	ND	0.020	0.0036	ng/g
PCB 149 (BZ)	0.31	B C147	0.0019	ng/g
PCB 150 (BZ)	ND	0.020	0.0025	ng/g
PCB 151 (BZ)	0.21	C135	0.0037	ng/g
PCB 152 (BZ)	ND	0.020	0.0026	ng/g
PCB 153 (BZ)	0.82	B C	0.0016	ng/g
PCB 154 (BZ)	0.013	Q J	0.0030	ng/g
PCB 155 (BZ)	ND	0.020	0.0025	ng/g
PCB 156 (BZ)	0.088	C	0.0019	ng/g
PCB 157 (BZ)	0.088	C156	0.0019	ng/g
PCB 158 (BZ)	0.052		0.0014	ng/g
PCB 159 (BZ)	0.0048	Q J	0.0015	ng/g
PCB 160 (BZ)	0.82	B C129	0.0018	ng/g
PCB 161 (BZ)	ND	0.020	0.0015	ng/g
PCB 162 (BZ)	0.0043	Q J	0.0015	ng/g
PCB 163 (BZ)	0.82	B C129	0.0018	ng/g
PCB 164 (BZ)	0.043		0.0016	ng/g
PCB 165 (BZ)	ND	0.020	0.0017	ng/g
PCB 166 (BZ)	0.095	C128	0.0017	ng/g
PCB 167 (BZ)	0.045		0.0011	ng/g
PCB 168 (BZ)	0.82	B C153	0.0016	ng/g
PCB 169 (BZ)	0.0042	Q J	0.0012	ng/g
PCB 170 (BZ)	0.11		0.0019	ng/g
PCB 171 (BZ)	0.027	C	0.0020	ng/g
PCB 172 (BZ)	0.035		0.0020	ng/g
PCB 173 (BZ)	0.027	C171	0.0020	ng/g
PCB 174 (BZ)	0.11		0.0018	ng/g
PCB 175 (BZ)	0.0046	Q J	0.0018	ng/g
PCB 176 (BZ)	0.0078	Q J	0.0014	ng/g
PCB 177 (BZ)	0.089	Q	0.0019	ng/g
PCB 178 (BZ)	0.064		0.0019	ng/g
PCB 179 (BZ)	0.036		0.0014	ng/g
PCB 180 (BZ)	0.36	B C	0.0015	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 004 Work Order #....: M00G71AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0039	Q J	0.020	0.0018	ng/g
PCB 182 (BZ)	ND		0.020	0.0017	ng/g
PCB 183 (BZ)	0.11	C	0.020	0.0018	ng/g
PCB 184 (BZ)	ND		0.020	0.0015	ng/g
PCB 185 (BZ)	0.11	C183	0.020	0.0018	ng/g
PCB 186 (BZ)	ND		0.020	0.0014	ng/g
PCB 187 (BZ)	0.37		0.020	0.0016	ng/g
PCB 188 (BZ)	0.0027	Q J	0.020	0.0014	ng/g
PCB 189 (BZ)	0.0057	Q J	0.020	0.0015	ng/g
PCB 190 (BZ)	0.032		0.020	0.0014	ng/g
PCB 191 (BZ)	0.0048	Q J	0.020	0.0013	ng/g
PCB 192 (BZ)	ND		0.020	0.0015	ng/g
PCB 193 (BZ)	0.36	B C180	0.020	0.0015	ng/g
PCB 194 (BZ)	0.044	Q B	0.020	0.0022	ng/g
PCB 195 (BZ)	0.016	Q J	0.020	0.0023	ng/g
PCB 196 (BZ)	0.022		0.020	0.0015	ng/g
PCB 197 (BZ)	0.0046	Q J	0.020	0.0011	ng/g
PCB 198 (BZ)	0.086	C	0.020	0.0015	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.086	C198	0.020	0.0015	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0030	Q J	0.020	0.0011	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.013	J	0.020	0.0011	ng/g
PCB 202 (BZ)	0.032		0.020	0.0012	ng/g
PCB 203 (BZ)	0.036		0.020	0.0014	ng/g
PCB 204 (BZ)	ND		0.020	0.0012	ng/g
PCB 205 (BZ)	0.0051	J	0.020	0.0018	ng/g
PCB 206 (BZ)	0.030		0.020	0.0049	ng/g
PCB 207 (BZ)	0.0077	J	0.020	0.0025	ng/g
PCB 208 (BZ)	0.024		0.020	0.0021	ng/g
PCB 209 (BZ)	0.024	Q	0.020	0.0037	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 004	Work Order #....:	M00G71AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	51	30 - 140
13C12-PCB 3	48	30 - 140
13C12-PCB 4	70	30 - 140
13C12-PCB 15	80	30 - 140
13C12-PCB 19	78	30 - 140
13C12-PCB 37	89	30 - 140
13C12-PCB 54	61	30 - 140
13C12-PCB 77	97	30 - 140
13C12-PCB 81	96	30 - 140
13C12-PCB 104	73	30 - 140
13C12-PCB 105	69	30 - 140
13C12-PCB 114	74	30 - 140
13C12-PCB 118	67	30 - 140
13C12-PCB 123	64	30 - 140
13C12-PCB 126	73	30 - 140
13C12-PCB 155	73	30 - 140
13C12-PCB 156	94	C 30 - 140
13C12-PCB 157	94	C 30 - 140
13C12-PCB 167	92	30 - 140
13C12-PCB 169	81	30 - 140
13C12-PCB 170	75	30 - 140
13C12-PCB 188	69	30 - 140
13C12-PCB 189	117	30 - 140
13C12-PCB 202	80	30 - 140
13C12-PCB 205	74	30 - 140
13C12-PCB 206	67	30 - 140
13C12-PCB 208	100	30 - 140
13C12-PCB 209	66	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	86	40 - 125
13C12-PCB 111	86	40 - 125
13C12-PCB 178	71	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-3(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 004	Work Order #....:	M00G71AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 005 Work Order #....: M00G81AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0022	Q B J	0.022	0.0011	ng/g
PCB 2 (BZ)	ND		0.022	0.0011	ng/g
PCB 3 (BZ)	ND		0.022	0.0012	ng/g
PCB 4 (BZ)	ND		0.043	0.011	ng/g
PCB 5 (BZ)	ND		0.022	0.0089	ng/g
PCB 6 (BZ)	ND		0.022	0.0084	ng/g
PCB 7 (BZ)	ND		0.022	0.0086	ng/g
PCB 8 (BZ)	ND		0.043	0.0082	ng/g
PCB 9 (BZ)	ND		0.022	0.0087	ng/g
PCB 10 (BZ)	ND		0.022	0.0093	ng/g
PCB 11 (BZ)	0.012	Q B J	0.043	0.0083	ng/g
PCB 12 (BZ)	ND		0.022	0.0085	ng/g
PCB 13 (BZ)	ND		0.022	0.0085	ng/g
PCB 14 (BZ)	ND		0.022	0.0073	ng/g
PCB 15 (BZ)	0.0054	Q B J	0.022	0.0090	ng/g
PCB 16 (BZ)	ND		0.022	0.0068	ng/g
PCB 17 (BZ)	ND		0.022	0.0057	ng/g
PCB 18 (BZ)	ND		0.043	0.0050	ng/g
PCB 19 (BZ)	ND		0.022	0.0069	ng/g
PCB 20 (BZ)	0.012	Q B C J	0.043	0.0019	ng/g
PCB 21 (BZ)	0.0021	Q B C J	0.022	0.0019	ng/g
PCB 22 (BZ)	ND		0.022	0.0019	ng/g
PCB 23 (BZ)	ND		0.022	0.0020	ng/g
PCB 24 (BZ)	ND		0.022	0.0047	ng/g
PCB 25 (BZ)	ND		0.022	0.0018	ng/g
PCB 26 (BZ)	0.011	Q C J	0.022	0.0019	ng/g
PCB 27 (BZ)	ND		0.022	0.0041	ng/g
PCB 28 (BZ)	0.012	Q B C20 J	0.043	0.0019	ng/g
PCB 29 (BZ)	0.011	Q C26 J	0.022	0.0019	ng/g
PCB 30 (BZ)	ND		0.043	0.0050	ng/g
PCB 31 (BZ)	0.0097	Q B J	0.043	0.0019	ng/g
PCB 32 (BZ)	ND		0.022	0.0040	ng/g
PCB 33 (BZ)	0.0021	Q B C21 J	0.022	0.0019	ng/g
PCB 34 (BZ)	ND		0.022	0.0019	ng/g
PCB 35 (BZ)	ND		0.022	0.0020	ng/g
PCB 36 (BZ)	ND		0.022	0.0019	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 005 Work Order #....: M00G81AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.022	0.0020	ng/g
PCB 38 (BZ)	ND		0.022	0.0020	ng/g
PCB 39 (BZ)	ND		0.022	0.0018	ng/g
PCB 40 (BZ)	0.0049	B C J	0.022	0.0015	ng/g
PCB 41 (BZ)	0.0049	B C40 J	0.022	0.0015	ng/g
PCB 42 (BZ)	ND		0.022	0.0015	ng/g
PCB 43 (BZ)	ND		0.022	0.0014	ng/g
PCB 44 (BZ)	0.031	B C	0.022	0.0013	ng/g
PCB 45 (BZ)	ND		0.022	0.0015	ng/g
PCB 46 (BZ)	ND		0.022	0.0018	ng/g
PCB 47 (BZ)	0.031	B C44	0.022	0.0013	ng/g
PCB 48 (BZ)	ND		0.022	0.0014	ng/g
PCB 49 (BZ)	0.015	C J	0.022	0.0012	ng/g
PCB 50 (BZ)	ND		0.022	0.0014	ng/g
PCB 51 (BZ)	ND		0.022	0.0015	ng/g
PCB 52 (BZ)	0.084		0.022	0.0014	ng/g
PCB 53 (BZ)	ND		0.022	0.0014	ng/g
PCB 54 (BZ)	ND		0.022	0.0039	ng/g
PCB 55 (BZ)	ND		0.022	0.0011	ng/g
PCB 56 (BZ)	0.0034	Q J	0.022	0.0011	ng/g
PCB 57 (BZ)	ND		0.022	0.0011	ng/g
PCB 58 (BZ)	0.0012	Q J	0.022	0.0011	ng/g
PCB 59 (BZ)	0.0021	Q C J	0.022	0.0010	ng/g
PCB 60 (BZ)	0.0018	Q J	0.022	0.0011	ng/g
PCB 61 (BZ)	0.042	B C J	0.043	0.0010	ng/g
PCB 62 (BZ)	0.0021	Q C59 J	0.022	0.0010	ng/g
PCB 63 (BZ)	0.0022	J	0.022	0.0010	ng/g
PCB 64 (BZ)	0.0018	Q J	0.022	0.00098	ng/g
PCB 65 (BZ)	0.031	B C44	0.022	0.0013	ng/g
PCB 66 (BZ)	0.026		0.022	0.0010	ng/g
PCB 67 (BZ)	ND		0.022	0.00097	ng/g
PCB 68 (BZ)	ND		0.022	0.00098	ng/g
PCB 69 (BZ)	0.015	C49 J	0.022	0.0012	ng/g
PCB 70 (BZ)	0.042	B C61 J	0.043	0.0010	ng/g
PCB 71 (BZ)	0.0049	B C40 J	0.022	0.0015	ng/g
PCB 72 (BZ)	0.0031	Q J	0.022	0.0010	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 005 Work Order #....: M00G81AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.022	0.0014	ng/g
PCB 74 (BZ)	0.042	B C61 J	0.043	0.0010	ng/g
PCB 75 (BZ)	0.0021	Q C59 J	0.022	0.0010	ng/g
PCB 76 (BZ)	0.042	B C61 J	0.043	0.0010	ng/g
PCB 77 (BZ)	0.0017	Q J	0.022	0.00098	ng/g
PCB 78 (BZ)	ND		0.022	0.0011	ng/g
PCB 79 (BZ)	ND		0.022	0.00098	ng/g
PCB 80 (BZ)	ND		0.022	0.00095	ng/g
PCB 81 (BZ)	ND		0.022	0.0010	ng/g
PCB 82 (BZ)	ND		0.022	0.0032	ng/g
PCB 83 (BZ)	0.063	C	0.022	0.0027	ng/g
PCB 84 (BZ)	ND		0.022	0.0031	ng/g
PCB 85 (BZ)	0.013	Q C J	0.022	0.0022	ng/g
PCB 86 (BZ)	0.066	C	0.022	0.0023	ng/g
PCB 87 (BZ)	0.066	C86	0.022	0.0023	ng/g
PCB 88 (BZ)	0.0072	Q C J	0.022	0.0027	ng/g
PCB 89 (BZ)	ND		0.022	0.0030	ng/g
PCB 90 (BZ)	0.20	C	0.022	0.0023	ng/g
PCB 91 (BZ)	0.0072	Q C88 J	0.022	0.0027	ng/g
PCB 92 (BZ)	0.032	Q	0.022	0.0026	ng/g
PCB 93 (BZ)	ND		0.022	0.0026	ng/g
PCB 94 (BZ)	ND		0.022	0.0030	ng/g
PCB 95 (BZ)	0.10		0.022	0.0028	ng/g
PCB 96 (BZ)	ND		0.022	0.0022	ng/g
PCB 97 (BZ)	0.066	C86	0.022	0.0023	ng/g
PCB 98 (BZ)	ND		0.022	0.0025	ng/g
PCB 99 (BZ)	0.063	C83	0.022	0.0027	ng/g
PCB 100 (BZ)	ND		0.022	0.0026	ng/g
PCB 101 (BZ)	0.20	C90	0.022	0.0023	ng/g
PCB 102 (BZ)	ND		0.022	0.0025	ng/g
PCB 103 (BZ)	ND		0.022	0.0026	ng/g
PCB 104 (BZ)	ND		0.022	0.0020	ng/g
PCB 105 (BZ)	0.017	J	0.022	0.0011	ng/g
PCB 106 (BZ)	ND		0.022	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0071	Q J	0.022	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0047	Q C J	0.022	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 005	Work Order #....:	M00G81AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.066	C86	0.022	0.0023	ng/g
PCB 110 (BZ)	0.039	B C	0.022	0.0020	ng/g
PCB 111 (BZ)	ND		0.022	0.0019	ng/g
PCB 112 (BZ)	ND		0.022	0.0020	ng/g
PCB 113 (BZ)	0.20	C90	0.022	0.0023	ng/g
PCB 114 (BZ)	ND		0.022	0.0011	ng/g
PCB 115 (BZ)	0.039	B C110	0.022	0.0020	ng/g
PCB 116 (BZ)	0.013	Q C85 J	0.022	0.0022	ng/g
PCB 117 (BZ)	0.013	Q C85 J	0.022	0.0022	ng/g
PCB 118 (BZ)	0.062	B	0.022	0.0011	ng/g
PCB 119 (BZ)	0.066	C86	0.022	0.0023	ng/g
PCB 120 (BZ)	ND		0.022	0.0019	ng/g
PCB 121 (BZ)	ND		0.022	0.0019	ng/g
PCB 122 (BZ)	ND		0.022	0.0013	ng/g
PCB 123 (BZ)	ND		0.022	0.0012	ng/g
PCB 124 (BZ)	0.0047	Q C108 J	0.022	0.0012	ng/g
PCB 125 (BZ)	0.066	C86	0.022	0.0023	ng/g
PCB 126 (BZ)	ND		0.022	0.0012	ng/g
PCB 127 (BZ)	ND		0.022	0.0011	ng/g
PCB 128 (BZ)	0.012	C J	0.022	0.0019	ng/g
PCB 129 (BZ)	0.10	B C	0.022	0.0020	ng/g
PCB 130 (BZ)	0.0086	Q J	0.022	0.0025	ng/g
PCB 131 (BZ)	ND		0.022	0.0026	ng/g
PCB 132 (BZ)	0.015	J	0.022	0.0025	ng/g
PCB 133 (BZ)	ND		0.022	0.0024	ng/g
PCB 134 (BZ)	ND		0.022	0.0026	ng/g
PCB 135 (BZ)	0.070	C	0.022	0.0032	ng/g
PCB 136 (BZ)	0.0082	J	0.022	0.0023	ng/g
PCB 137 (BZ)	0.0021	Q J	0.022	0.0022	ng/g
PCB 138 (BZ)	0.10	B C129	0.022	0.0020	ng/g
PCB 139 (BZ)	ND		0.022	0.0022	ng/g
PCB 140 (BZ)	ND		0.022	0.0022	ng/g
PCB 141 (BZ)	0.035	Q	0.022	0.0023	ng/g
PCB 142 (BZ)	ND		0.022	0.0025	ng/g
PCB 143 (BZ)	ND		0.022	0.0026	ng/g
PCB 144 (BZ)	0.014	J	0.022	0.0030	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 005 Work Order #....: M00G81AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.022	0.0022	ng/g
PCB 146 (BZ)	0.023	Q	0.022	0.0021	ng/g
PCB 147 (BZ)	0.094	B C	0.022	0.0021	ng/g
PCB 148 (BZ)	ND		0.022	0.0031	ng/g
PCB 149 (BZ)	0.094	B C147	0.022	0.0021	ng/g
PCB 150 (BZ)	ND		0.022	0.0022	ng/g
PCB 151 (BZ)	0.070	C135	0.022	0.0032	ng/g
PCB 152 (BZ)	ND		0.022	0.0022	ng/g
PCB 153 (BZ)	0.066	B C	0.022	0.0017	ng/g
PCB 154 (BZ)	0.0077	Q J	0.022	0.0026	ng/g
PCB 155 (BZ)	ND		0.022	0.0021	ng/g
PCB 156 (BZ)	0.0061	Q C J	0.022	0.0021	ng/g
PCB 157 (BZ)	0.0061	Q C156 J	0.022	0.0021	ng/g
PCB 158 (BZ)	0.0058	Q J	0.022	0.0016	ng/g
PCB 159 (BZ)	ND		0.022	0.0017	ng/g
PCB 160 (BZ)	0.10	B C129	0.022	0.0020	ng/g
PCB 161 (BZ)	ND		0.022	0.0017	ng/g
PCB 162 (BZ)	ND		0.022	0.0016	ng/g
PCB 163 (BZ)	0.10	B C129	0.022	0.0020	ng/g
PCB 164 (BZ)	0.018	J	0.022	0.0017	ng/g
PCB 165 (BZ)	ND		0.022	0.0018	ng/g
PCB 166 (BZ)	0.012	C128 J	0.022	0.0019	ng/g
PCB 167 (BZ)	0.0027	Q J	0.022	0.0011	ng/g
PCB 168 (BZ)	0.066	B C153	0.022	0.0017	ng/g
PCB 169 (BZ)	ND		0.022	0.0015	ng/g
PCB 170 (BZ)	0.0070	Q J	0.022	0.0024	ng/g
PCB 171 (BZ)	ND		0.022	0.0021	ng/g
PCB 172 (BZ)	ND		0.022	0.0021	ng/g
PCB 173 (BZ)	ND		0.022	0.0021	ng/g
PCB 174 (BZ)	0.043		0.022	0.0020	ng/g
PCB 175 (BZ)	ND		0.022	0.0019	ng/g
PCB 176 (BZ)	ND		0.022	0.0014	ng/g
PCB 177 (BZ)	0.012	Q J	0.022	0.0020	ng/g
PCB 178 (BZ)	ND		0.022	0.0020	ng/g
PCB 179 (BZ)	0.010	Q J	0.022	0.0015	ng/g
PCB 180 (BZ)	0.030	B C	0.022	0.0016	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 005	Work Order #....:	M00G81AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.022	0.0019	ng/g
PCB 182 (BZ)	ND		0.022	0.0018	ng/g
PCB 183 (BZ)	0.015	Q C J	0.022	0.0019	ng/g
PCB 184 (BZ)	ND		0.022	0.0016	ng/g
PCB 185 (BZ)	0.015	Q C183 J	0.022	0.0019	ng/g
PCB 186 (BZ)	ND		0.022	0.0015	ng/g
PCB 187 (BZ)	0.086		0.022	0.0018	ng/g
PCB 188 (BZ)	ND		0.022	0.0013	ng/g
PCB 189 (BZ)	ND		0.022	0.0017	ng/g
PCB 190 (BZ)	ND		0.022	0.0015	ng/g
PCB 191 (BZ)	ND		0.022	0.0014	ng/g
PCB 192 (BZ)	ND		0.022	0.0016	ng/g
PCB 193 (BZ)	0.030	B C180	0.022	0.0016	ng/g
PCB 194 (BZ)	ND		0.022	0.0029	ng/g
PCB 195 (BZ)	ND		0.022	0.0032	ng/g
PCB 196 (BZ)	ND		0.022	0.0016	ng/g
PCB 197 (BZ)	ND		0.022	0.0012	ng/g
PCB 198 (BZ)	0.016	Q C J	0.022	0.0017	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.016	Q C198 J	0.022	0.0017	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.022	0.0012	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.022	0.0011	ng/g
PCB 202 (BZ)	0.0030	Q J	0.022	0.0013	ng/g
PCB 203 (BZ)	ND		0.022	0.0015	ng/g
PCB 204 (BZ)	ND		0.022	0.0012	ng/g
PCB 205 (BZ)	ND		0.022	0.0025	ng/g
PCB 206 (BZ)	ND		0.022	0.0060	ng/g
PCB 207 (BZ)	ND		0.022	0.0035	ng/g
PCB 208 (BZ)	ND		0.022	0.0032	ng/g
PCB 209 (BZ)	ND		0.022	0.0051	ng/g

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 005	Work Order #....:	M00G81AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	59	30 - 140
13C12-PCB 3	62	30 - 140
13C12-PCB 4	75	30 - 140
13C12-PCB 15	78	30 - 140
13C12-PCB 19	82	30 - 140
13C12-PCB 37	99	30 - 140
13C12-PCB 54	63	30 - 140
13C12-PCB 77	105	30 - 140
13C12-PCB 81	101	30 - 140
13C12-PCB 104	69	30 - 140
13C12-PCB 105	77	30 - 140
13C12-PCB 114	80	30 - 140
13C12-PCB 118	73	30 - 140
13C12-PCB 123	72	30 - 140
13C12-PCB 126	76	30 - 140
13C12-PCB 155	75	30 - 140
13C12-PCB 156	93	C
13C12-PCB 157	93	C
13C12-PCB 167	93	30 - 140
13C12-PCB 169	72	30 - 140
13C12-PCB 170	75	30 - 140
13C12-PCB 188	86	30 - 140
13C12-PCB 189	119	30 - 140
13C12-PCB 202	96	30 - 140
13C12-PCB 205	73	30 - 140
13C12-PCB 206	73	30 - 140
13C12-PCB 208	101	30 - 140
13C12-PCB 209	74	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	82	40 - 125
13C12-PCB 111	89	40 - 125
13C12-PCB 178	82	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-4(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 005	Work Order #....:	M00G81AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 006 Work Order #....: M00G91AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.1 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0014	Q B J	0.020	0.0011	ng/g
PCB 2 (BZ)	ND		0.020	0.0012	ng/g
PCB 3 (BZ)	ND		0.020	0.0014	ng/g
PCB 4 (BZ)	ND		0.040	0.0091	ng/g
PCB 5 (BZ)	ND		0.020	0.0069	ng/g
PCB 6 (BZ)	ND		0.020	0.0064	ng/g
PCB 7 (BZ)	ND		0.020	0.0066	ng/g
PCB 8 (BZ)	ND		0.040	0.0063	ng/g
PCB 9 (BZ)	ND		0.020	0.0067	ng/g
PCB 10 (BZ)	ND		0.020	0.0072	ng/g
PCB 11 (BZ)	0.041	Q B	0.040	0.0063	ng/g
PCB 12 (BZ)	ND		0.020	0.0065	ng/g
PCB 13 (BZ)	ND		0.020	0.0065	ng/g
PCB 14 (BZ)	ND		0.020	0.0056	ng/g
PCB 15 (BZ)	0.022	Q B	0.020	0.0065	ng/g
PCB 16 (BZ)	ND		0.020	0.0050	ng/g
PCB 17 (BZ)	0.0075	Q J	0.020	0.0041	ng/g
PCB 18 (BZ)	0.031	Q C J	0.040	0.0037	ng/g
PCB 19 (BZ)	ND		0.020	0.0051	ng/g
PCB 20 (BZ)	0.18	B C	0.040	0.0017	ng/g
PCB 21 (BZ)	0.0085	B C J	0.020	0.0017	ng/g
PCB 22 (BZ)	0.0057	J	0.020	0.0017	ng/g
PCB 23 (BZ)	ND		0.020	0.0018	ng/g
PCB 24 (BZ)	0.018	Q J	0.020	0.0035	ng/g
PCB 25 (BZ)	0.015	Q J	0.020	0.0016	ng/g
PCB 26 (BZ)	0.074	C	0.020	0.0017	ng/g
PCB 27 (BZ)	0.0029	Q J	0.020	0.0030	ng/g
PCB 28 (BZ)	0.18	B C20	0.040	0.0017	ng/g
PCB 29 (BZ)	0.074	C26	0.020	0.0017	ng/g
PCB 30 (BZ)	0.031	Q C18 J	0.040	0.0037	ng/g
PCB 31 (BZ)	0.094	B	0.040	0.0017	ng/g
PCB 32 (BZ)	ND		0.020	0.0029	ng/g
PCB 33 (BZ)	0.0085	B C21 J	0.020	0.0017	ng/g
PCB 34 (BZ)	ND		0.020	0.0017	ng/g
PCB 35 (BZ)	ND		0.020	0.0018	ng/g
PCB 36 (BZ)	ND		0.020	0.0017	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 006 Work Order #....: M00G91AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.1 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.025	Q B	0.020	0.0018	ng/g
PCB 38 (BZ)	ND		0.020	0.0018	ng/g
PCB 39 (BZ)	ND		0.020	0.0016	ng/g
PCB 40 (BZ)	0.016	Q B C J	0.020	0.0015	ng/g
PCB 41 (BZ)	0.016	Q B C40 J	0.020	0.0015	ng/g
PCB 42 (BZ)	0.0079	Q J	0.020	0.0015	ng/g
PCB 43 (BZ)	ND		0.020	0.0014	ng/g
PCB 44 (BZ)	0.25	B C	0.020	0.0013	ng/g
PCB 45 (BZ)	ND		0.020	0.0015	ng/g
PCB 46 (BZ)	ND		0.020	0.0018	ng/g
PCB 47 (BZ)	0.25	B C44	0.020	0.0013	ng/g
PCB 48 (BZ)	0.0089	J	0.020	0.0015	ng/g
PCB 49 (BZ)	0.10	C	0.020	0.0012	ng/g
PCB 50 (BZ)	0.010	C J	0.020	0.0014	ng/g
PCB 51 (BZ)	ND		0.020	0.0015	ng/g
PCB 52 (BZ)	0.36		0.020	0.0014	ng/g
PCB 53 (BZ)	0.010	C50 J	0.020	0.0014	ng/g
PCB 54 (BZ)	ND		0.020	0.0041	ng/g
PCB 55 (BZ)	0.0070	Q J	0.020	0.0011	ng/g
PCB 56 (BZ)	0.034		0.020	0.0011	ng/g
PCB 57 (BZ)	0.0051	Q J	0.020	0.0011	ng/g
PCB 58 (BZ)	0.0027	Q J	0.020	0.0011	ng/g
PCB 59 (BZ)	0.017	C J	0.020	0.0011	ng/g
PCB 60 (BZ)	0.025		0.020	0.0011	ng/g
PCB 61 (BZ)	0.32	B C	0.040	0.0011	ng/g
PCB 62 (BZ)	0.017	C59 J	0.020	0.0011	ng/g
PCB 63 (BZ)	0.024		0.020	0.0010	ng/g
PCB 64 (BZ)	0.0074	J	0.020	0.0010	ng/g
PCB 65 (BZ)	0.25	B C44	0.020	0.0013	ng/g
PCB 66 (BZ)	0.37		0.020	0.0010	ng/g
PCB 67 (BZ)	0.0059	J	0.020	0.00098	ng/g
PCB 68 (BZ)	0.024		0.020	0.00099	ng/g
PCB 69 (BZ)	0.10	C49	0.020	0.0012	ng/g
PCB 70 (BZ)	0.32	B C61	0.040	0.0011	ng/g
PCB 71 (BZ)	0.016	Q B C40 J	0.020	0.0015	ng/g
PCB 72 (BZ)	0.028		0.020	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 006 Work Order #....: M00G91AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.1 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.020	0.0014	ng/g
PCB 74 (BZ)	0.32	B C61	0.040	0.0011	ng/g
PCB 75 (BZ)	0.017	C59 J	0.020	0.0011	ng/g
PCB 76 (BZ)	0.32	B C61	0.040	0.0011	ng/g
PCB 77 (BZ)	0.022		0.020	0.0010	ng/g
PCB 78 (BZ)	ND		0.020	0.0011	ng/g
PCB 79 (BZ)	0.0061	J	0.020	0.00099	ng/g
PCB 80 (BZ)	ND		0.020	0.00097	ng/g
PCB 81 (BZ)	0.0012	Q J	0.020	0.0010	ng/g
PCB 82 (BZ)	0.014	Q J	0.020	0.0033	ng/g
PCB 83 (BZ)	0.95	C	0.020	0.0028	ng/g
PCB 84 (BZ)	0.025	Q	0.020	0.0032	ng/g
PCB 85 (BZ)	0.19	C	0.020	0.0023	ng/g
PCB 86 (BZ)	0.39	C	0.020	0.0024	ng/g
PCB 87 (BZ)	0.39	C86	0.020	0.0024	ng/g
PCB 88 (BZ)	0.096	C	0.020	0.0028	ng/g
PCB 89 (BZ)	ND		0.020	0.0031	ng/g
PCB 90 (BZ)	1.1	C	0.020	0.0024	ng/g
PCB 91 (BZ)	0.096	C88	0.020	0.0028	ng/g
PCB 92 (BZ)	0.22		0.020	0.0027	ng/g
PCB 93 (BZ)	ND		0.020	0.0027	ng/g
PCB 94 (BZ)	ND		0.020	0.0031	ng/g
PCB 95 (BZ)	0.31		0.020	0.0029	ng/g
PCB 96 (BZ)	ND		0.020	0.0023	ng/g
PCB 97 (BZ)	0.39	C86	0.020	0.0024	ng/g
PCB 98 (BZ)	ND		0.020	0.0027	ng/g
PCB 99 (BZ)	0.95	C83	0.020	0.0028	ng/g
PCB 100 (BZ)	ND		0.020	0.0027	ng/g
PCB 101 (BZ)	1.1	C90	0.020	0.0024	ng/g
PCB 102 (BZ)	ND		0.020	0.0027	ng/g
PCB 103 (BZ)	0.020	J	0.020	0.0027	ng/g
PCB 104 (BZ)	ND		0.020	0.0021	ng/g
PCB 105 (BZ)	0.23		0.020	0.0011	ng/g
PCB 106 (BZ)	ND		0.020	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.082		0.020	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.038	C	0.020	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 006 Work Order #....: M00G91AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.1 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.39	C86	0.020	0.0024	ng/g
PCB 110 (BZ)	0.26	B C	0.020	0.0020	ng/g
PCB 111 (BZ)	ND		0.020	0.0019	ng/g
PCB 112 (BZ)	ND		0.020	0.0021	ng/g
PCB 113 (BZ)	1.1	C90	0.020	0.0024	ng/g
PCB 114 (BZ)	0.020		0.020	0.0011	ng/g
PCB 115 (BZ)	0.26	B C110	0.020	0.0020	ng/g
PCB 116 (BZ)	0.19	C85	0.020	0.0023	ng/g
PCB 117 (BZ)	0.19	C85	0.020	0.0023	ng/g
PCB 118 (BZ)	1.0	B	0.020	0.0011	ng/g
PCB 119 (BZ)	0.39	C86	0.020	0.0024	ng/g
PCB 120 (BZ)	0.022		0.020	0.0020	ng/g
PCB 121 (BZ)	ND		0.020	0.0020	ng/g
PCB 122 (BZ)	0.011	J	0.020	0.0013	ng/g
PCB 123 (BZ)	0.023	Q	0.020	0.0012	ng/g
PCB 124 (BZ)	0.038	C108	0.020	0.0012	ng/g
PCB 125 (BZ)	0.39	C86	0.020	0.0024	ng/g
PCB 126 (BZ)	0.011	Q J	0.020	0.0012	ng/g
PCB 127 (BZ)	ND		0.020	0.0012	ng/g
PCB 128 (BZ)	0.14	C	0.020	0.0019	ng/g
PCB 129 (BZ)	1.2	B C	0.020	0.0020	ng/g
PCB 130 (BZ)	0.079		0.020	0.0026	ng/g
PCB 131 (BZ)	ND		0.020	0.0026	ng/g
PCB 132 (BZ)	0.090		0.020	0.0025	ng/g
PCB 133 (BZ)	0.035		0.020	0.0024	ng/g
PCB 134 (BZ)	0.019	Q C J	0.020	0.0026	ng/g
PCB 135 (BZ)	0.29	C	0.020	0.0038	ng/g
PCB 136 (BZ)	0.044		0.020	0.0028	ng/g
PCB 137 (BZ)	0.053		0.020	0.0022	ng/g
PCB 138 (BZ)	1.2	B C129	0.020	0.0020	ng/g
PCB 139 (BZ)	0.010	Q C J	0.020	0.0022	ng/g
PCB 140 (BZ)	0.010	Q C139 J	0.020	0.0022	ng/g
PCB 141 (BZ)	0.15		0.020	0.0023	ng/g
PCB 142 (BZ)	ND		0.020	0.0025	ng/g
PCB 143 (BZ)	0.019	Q C134 J	0.020	0.0026	ng/g
PCB 144 (BZ)	0.029		0.020	0.0035	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 006	Work Order #....:	M00G91AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.020	0.0027	ng/g
PCB 146 (BZ)	0.27		0.020	0.0021	ng/g
PCB 147 (BZ)	0.46	B C	0.020	0.0022	ng/g
PCB 148 (BZ)	ND		0.020	0.0037	ng/g
PCB 149 (BZ)	0.46	B C147	0.020	0.0022	ng/g
PCB 150 (BZ)	ND		0.020	0.0026	ng/g
PCB 151 (BZ)	0.29	C135	0.020	0.0038	ng/g
PCB 152 (BZ)	ND		0.020	0.0026	ng/g
PCB 153 (BZ)	1.2	B C	0.020	0.0017	ng/g
PCB 154 (BZ)	0.050		0.020	0.0031	ng/g
PCB 155 (BZ)	ND		0.020	0.0025	ng/g
PCB 156 (BZ)	0.12	C	0.020	0.0021	ng/g
PCB 157 (BZ)	0.12	C156	0.020	0.0021	ng/g
PCB 158 (BZ)	0.077		0.020	0.0016	ng/g
PCB 159 (BZ)	0.0078	Q J	0.020	0.0017	ng/g
PCB 160 (BZ)	1.2	B C129	0.020	0.0020	ng/g
PCB 161 (BZ)	ND		0.020	0.0017	ng/g
PCB 162 (BZ)	0.0075	J	0.020	0.0017	ng/g
PCB 163 (BZ)	1.2	B C129	0.020	0.0020	ng/g
PCB 164 (BZ)	0.075	Q	0.020	0.0018	ng/g
PCB 165 (BZ)	ND		0.020	0.0019	ng/g
PCB 166 (BZ)	0.14	C128	0.020	0.0019	ng/g
PCB 167 (BZ)	0.057		0.020	0.0012	ng/g
PCB 168 (BZ)	1.2	B C153	0.020	0.0017	ng/g
PCB 169 (BZ)	0.0069	Q J	0.020	0.0015	ng/g
PCB 170 (BZ)	0.13		0.020	0.0021	ng/g
PCB 171 (BZ)	0.029	Q C	0.020	0.0021	ng/g
PCB 172 (BZ)	0.042		0.020	0.0021	ng/g
PCB 173 (BZ)	0.029	Q C171	0.020	0.0021	ng/g
PCB 174 (BZ)	0.15		0.020	0.0019	ng/g
PCB 175 (BZ)	0.0058	Q J	0.020	0.0018	ng/g
PCB 176 (BZ)	0.015	J	0.020	0.0014	ng/g
PCB 177 (BZ)	0.12		0.020	0.0020	ng/g
PCB 178 (BZ)	0.081		0.020	0.0020	ng/g
PCB 179 (BZ)	0.052		0.020	0.0015	ng/g
PCB 180 (BZ)	0.45	B C	0.020	0.0016	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 006	Work Order #....:	M00G91AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0050	J	0.020	0.0018	ng/g
PCB 182 (BZ)	ND		0.020	0.0018	ng/g
PCB 183 (BZ)	0.14	C	0.020	0.0018	ng/g
PCB 184 (BZ)	ND		0.020	0.0015	ng/g
PCB 185 (BZ)	0.14	C183	0.020	0.0018	ng/g
PCB 186 (BZ)	ND		0.020	0.0015	ng/g
PCB 187 (BZ)	0.48		0.020	0.0017	ng/g
PCB 188 (BZ)	0.0046	Q J	0.020	0.0013	ng/g
PCB 189 (BZ)	0.0093	J	0.020	0.0018	ng/g
PCB 190 (BZ)	0.039		0.020	0.0014	ng/g
PCB 191 (BZ)	0.0085	Q J	0.020	0.0014	ng/g
PCB 192 (BZ)	ND		0.020	0.0016	ng/g
PCB 193 (BZ)	0.45	B C180	0.020	0.0016	ng/g
PCB 194 (BZ)	0.064	B	0.020	0.0025	ng/g
PCB 195 (BZ)	0.025	Q	0.020	0.0027	ng/g
PCB 196 (BZ)	0.026	Q	0.020	0.0015	ng/g
PCB 197 (BZ)	0.0049	Q J	0.020	0.0011	ng/g
PCB 198 (BZ)	0.11	C	0.020	0.0016	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.11	C198	0.020	0.0016	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0050	Q J	0.020	0.0011	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.015	J	0.020	0.0011	ng/g
PCB 202 (BZ)	0.043		0.020	0.0012	ng/g
PCB 203 (BZ)	0.038		0.020	0.0014	ng/g
PCB 204 (BZ)	ND		0.020	0.0012	ng/g
PCB 205 (BZ)	0.0071	Q J	0.020	0.0021	ng/g
PCB 206 (BZ)	0.050	Q	0.020	0.0063	ng/g
PCB 207 (BZ)	0.0088	Q J	0.020	0.0031	ng/g
PCB 208 (BZ)	0.018	Q J	0.020	0.0027	ng/g
PCB 209 (BZ)	0.031		0.020	0.0031	ng/g

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 006	Work Order #....:	M00G91AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	41	30 - 140
13C12-PCB 3	40	30 - 140
13C12-PCB 4	71	30 - 140
13C12-PCB 15	70	30 - 140
13C12-PCB 19	90	30 - 140
13C12-PCB 37	92	30 - 140
13C12-PCB 54	61	30 - 140
13C12-PCB 77	101	30 - 140
13C12-PCB 81	98	30 - 140
13C12-PCB 104	62	30 - 140
13C12-PCB 105	69	30 - 140
13C12-PCB 114	72	30 - 140
13C12-PCB 118	66	30 - 140
13C12-PCB 123	64	30 - 140
13C12-PCB 126	71	30 - 140
13C12-PCB 155	67	30 - 140
13C12-PCB 156	90	C
13C12-PCB 157	90	C
13C12-PCB 167	88	30 - 140
13C12-PCB 169	73	30 - 140
13C12-PCB 170	76	30 - 140
13C12-PCB 188	73	30 - 140
13C12-PCB 189	110	30 - 140
13C12-PCB 202	83	30 - 140
13C12-PCB 205	70	30 - 140
13C12-PCB 206	68	30 - 140
13C12-PCB 208	92	30 - 140
13C12-PCB 209	64	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	76	40 - 125
13C12-PCB 111	80	40 - 125
13C12-PCB 178	72	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-52013-FT-CRAWFISH-4(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290405 - 006	Work Order #....:	M00G91AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: LB 180-72914/19-A BATCH 72914

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 007 Work Order #....: M00V11AA Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 1
 Prep Date....: 05/31/13 Analysis Date....: 06/13/13
 Prep Batch #: 3151015
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.010	0.00025	ng/g
PCB 2 (BZ)	ND	0.010	0.00030	ng/g
PCB 3 (BZ)	ND	0.010	0.00036	ng/g
PCB 4 (BZ)	ND	0.020	0.0025	ng/g
PCB 5 (BZ)	ND	0.010	0.0020	ng/g
PCB 6 (BZ)	ND	0.010	0.0018	ng/g
PCB 7 (BZ)	ND	0.010	0.0019	ng/g
PCB 8 (BZ)	ND	0.020	0.0018	ng/g
PCB 9 (BZ)	ND	0.010	0.0019	ng/g
PCB 10 (BZ)	ND	0.010	0.0020	ng/g
PCB 11 (BZ)	0.0023	Q B J	0.0018	ng/g
PCB 12 (BZ)	ND	0.010	0.0019	ng/g
PCB 13 (BZ)	ND	0.010	0.0019	ng/g
PCB 14 (BZ)	ND	0.010	0.0016	ng/g
PCB 15 (BZ)	ND	0.010	0.0019	ng/g
PCB 16 (BZ)	ND	0.010	0.0011	ng/g
PCB 17 (BZ)	ND	0.010	0.00093	ng/g
PCB 18 (BZ)	ND	0.020	0.00083	ng/g
PCB 19 (BZ)	ND	0.010	0.0011	ng/g
PCB 20 (BZ)	ND	0.020	0.00061	ng/g
PCB 21 (BZ)	ND	0.010	0.00061	ng/g
PCB 22 (BZ)	ND	0.010	0.00062	ng/g
PCB 23 (BZ)	ND	0.010	0.00064	ng/g
PCB 24 (BZ)	ND	0.010	0.00078	ng/g
PCB 25 (BZ)	ND	0.010	0.00057	ng/g
PCB 26 (BZ)	ND	0.010	0.00060	ng/g
PCB 27 (BZ)	ND	0.010	0.00068	ng/g
PCB 28 (BZ)	ND	0.020	0.00061	ng/g
PCB 29 (BZ)	ND	0.010	0.00060	ng/g
PCB 30 (BZ)	ND	0.020	0.00083	ng/g
PCB 31 (BZ)	ND	0.020	0.00060	ng/g
PCB 32 (BZ)	ND	0.010	0.00066	ng/g
PCB 33 (BZ)	ND	0.010	0.00061	ng/g
PCB 34 (BZ)	ND	0.010	0.00063	ng/g
PCB 35 (BZ)	ND	0.010	0.00064	ng/g
PCB 36 (BZ)	ND	0.010	0.00062	ng/g

TestAmerica Pittsburgh

Sample ID: LB 180-72914/19-A BATCH 72914

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 007 Work Order #....: M00V11AA Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 1
 Prep Date....: 05/31/13 Analysis Date....: 06/13/13
 Prep Batch #: 3151015
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND	0.010	0.00064	ng/g
PCB 38 (BZ)	ND	0.010	0.00066	ng/g
PCB 39 (BZ)	ND	0.010	0.00058	ng/g
PCB 40 (BZ)	ND	0.010	0.00078	ng/g
PCB 41 (BZ)	ND	0.010	0.00078	ng/g
PCB 42 (BZ)	ND	0.010	0.00079	ng/g
PCB 43 (BZ)	ND	0.010	0.00073	ng/g
PCB 44 (BZ)	ND	0.010	0.00070	ng/g
PCB 45 (BZ)	ND	0.010	0.00081	ng/g
PCB 46 (BZ)	ND	0.010	0.00096	ng/g
PCB 47 (BZ)	ND	0.010	0.00070	ng/g
PCB 48 (BZ)	ND	0.010	0.00077	ng/g
PCB 49 (BZ)	ND	0.010	0.00064	ng/g
PCB 50 (BZ)	ND	0.010	0.00075	ng/g
PCB 51 (BZ)	ND	0.010	0.00081	ng/g
PCB 52 (BZ)	ND	0.010	0.00075	ng/g
PCB 53 (BZ)	ND	0.010	0.00075	ng/g
PCB 54 (BZ)	ND	0.010	0.00065	ng/g
PCB 55 (BZ)	ND	0.010	0.00060	ng/g
PCB 56 (BZ)	ND	0.010	0.00057	ng/g
PCB 57 (BZ)	ND	0.010	0.00058	ng/g
PCB 58 (BZ)	ND	0.010	0.00057	ng/g
PCB 59 (BZ)	ND	0.010	0.00056	ng/g
PCB 60 (BZ)	ND	0.010	0.00059	ng/g
PCB 61 (BZ)	ND	0.020	0.00056	ng/g
PCB 62 (BZ)	ND	0.010	0.00056	ng/g
PCB 63 (BZ)	ND	0.010	0.00053	ng/g
PCB 64 (BZ)	ND	0.010	0.00053	ng/g
PCB 65 (BZ)	ND	0.010	0.00070	ng/g
PCB 66 (BZ)	ND	0.010	0.00055	ng/g
PCB 67 (BZ)	ND	0.010	0.00052	ng/g
PCB 68 (BZ)	ND	0.010	0.00052	ng/g
PCB 69 (BZ)	ND	0.010	0.00064	ng/g
PCB 70 (BZ)	ND	0.020	0.00056	ng/g
PCB 71 (BZ)	ND	0.010	0.00078	ng/g
PCB 72 (BZ)	ND	0.010	0.00056	ng/g

TestAmerica Pittsburgh

Sample ID: LB 180-72914/19-A BATCH 72914

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 007 Work Order #....: M00V11AA Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 1
 Prep Date....: 05/31/13 Analysis Date....: 06/13/13
 Prep Batch #: 3151015
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND	0.010	0.00073	ng/g
PCB 74 (BZ)	ND	0.020	0.00056	ng/g
PCB 75 (BZ)	ND	0.010	0.00056	ng/g
PCB 76 (BZ)	ND	0.020	0.00056	ng/g
PCB 77 (BZ)	ND	0.010	0.00054	ng/g
PCB 78 (BZ)	ND	0.010	0.00059	ng/g
PCB 79 (BZ)	ND	0.010	0.00052	ng/g
PCB 80 (BZ)	ND	0.010	0.00051	ng/g
PCB 81 (BZ)	ND	0.010	0.00054	ng/g
PCB 82 (BZ)	ND	0.010	0.0011	ng/g
PCB 83 (BZ)	ND	0.010	0.00094	ng/g
PCB 84 (BZ)	ND	0.010	0.0011	ng/g
PCB 85 (BZ)	ND	0.010	0.00078	ng/g
PCB 86 (BZ)	ND	0.010	0.00080	ng/g
PCB 87 (BZ)	ND	0.010	0.00080	ng/g
PCB 88 (BZ)	ND	0.010	0.00096	ng/g
PCB 89 (BZ)	ND	0.010	0.0010	ng/g
PCB 90 (BZ)	ND	0.010	0.00081	ng/g
PCB 91 (BZ)	ND	0.010	0.00096	ng/g
PCB 92 (BZ)	ND	0.010	0.00092	ng/g
PCB 93 (BZ)	ND	0.010	0.00092	ng/g
PCB 94 (BZ)	ND	0.010	0.0010	ng/g
PCB 95 (BZ)	ND	0.010	0.00098	ng/g
PCB 96 (BZ)	ND	0.010	0.00078	ng/g
PCB 97 (BZ)	ND	0.010	0.00080	ng/g
PCB 98 (BZ)	ND	0.010	0.00089	ng/g
PCB 99 (BZ)	ND	0.010	0.00094	ng/g
PCB 100 (BZ)	ND	0.010	0.00092	ng/g
PCB 101 (BZ)	ND	0.010	0.00081	ng/g
PCB 102 (BZ)	ND	0.010	0.00089	ng/g
PCB 103 (BZ)	ND	0.010	0.00091	ng/g
PCB 104 (BZ)	ND	0.010	0.00069	ng/g
PCB 105 (BZ)	ND	0.010	0.00041	ng/g
PCB 106 (BZ)	ND	0.010	0.00047	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND	0.010	0.00046	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND	0.010	0.00048	ng/g

TestAmerica Pittsburgh

Sample ID: LB 180-72914/19-A BATCH 72914

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 007	Work Order #....:	M00V11AA	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	1
Prep Date....:	05/31/13	Analysis Date....:	06/13/13		
Prep Batch #:	3151015				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	ND	0.010	0.00080	ng/g
PCB 110 (BZ)	ND	0.010	0.00069	ng/g
PCB 111 (BZ)	ND	0.010	0.00065	ng/g
PCB 112 (BZ)	ND	0.010	0.00071	ng/g
PCB 113 (BZ)	ND	0.010	0.00081	ng/g
PCB 114 (BZ)	ND	0.010	0.00043	ng/g
PCB 115 (BZ)	ND	0.010	0.00069	ng/g
PCB 116 (BZ)	ND	0.010	0.00078	ng/g
PCB 117 (BZ)	ND	0.010	0.00078	ng/g
PCB 118 (BZ)	ND	0.010	0.00048	ng/g
PCB 119 (BZ)	ND	0.010	0.00080	ng/g
PCB 120 (BZ)	ND	0.010	0.00067	ng/g
PCB 121 (BZ)	ND	0.010	0.00067	ng/g
PCB 122 (BZ)	ND	0.010	0.00052	ng/g
PCB 123 (BZ)	ND	0.010	0.00049	ng/g
PCB 124 (BZ)	ND	0.010	0.00048	ng/g
PCB 125 (BZ)	ND	0.010	0.00080	ng/g
PCB 126 (BZ)	ND	0.010	0.00047	ng/g
PCB 127 (BZ)	ND	0.010	0.00047	ng/g
PCB 128 (BZ)	ND	0.010	0.00068	ng/g
PCB 129 (BZ)	ND	0.010	0.00071	ng/g
PCB 130 (BZ)	ND	0.010	0.00091	ng/g
PCB 131 (BZ)	ND	0.010	0.00093	ng/g
PCB 132 (BZ)	ND	0.010	0.00089	ng/g
PCB 133 (BZ)	ND	0.010	0.00086	ng/g
PCB 134 (BZ)	ND	0.010	0.00091	ng/g
PCB 135 (BZ)	ND	0.010	0.00094	ng/g
PCB 136 (BZ)	ND	0.010	0.00069	ng/g
PCB 137 (BZ)	ND	0.010	0.00079	ng/g
PCB 138 (BZ)	ND	0.010	0.00071	ng/g
PCB 139 (BZ)	ND	0.010	0.00078	ng/g
PCB 140 (BZ)	ND	0.010	0.00078	ng/g
PCB 141 (BZ)	ND	0.010	0.00081	ng/g
PCB 142 (BZ)	ND	0.010	0.00090	ng/g
PCB 143 (BZ)	ND	0.010	0.00091	ng/g
PCB 144 (BZ)	ND	0.010	0.00088	ng/g

TestAmerica Pittsburgh
Sample ID: LB 180-72914/19-A BATCH 72914
Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 007	Work Order #....:	M00V11AA	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	1
Prep Date....:	05/31/13	Analysis Date....:	06/13/13		
Prep Batch #:	3151015				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.010	0.00066	ng/g
PCB 146 (BZ)	ND	0.010	0.00074	ng/g
PCB 147 (BZ)	ND	0.010	0.00076	ng/g
PCB 148 (BZ)	ND	0.010	0.00093	ng/g
PCB 149 (BZ)	ND	0.010	0.00076	ng/g
PCB 150 (BZ)	ND	0.010	0.00065	ng/g
PCB 151 (BZ)	ND	0.010	0.00094	ng/g
PCB 152 (BZ)	ND	0.010	0.00066	ng/g
PCB 153 (BZ)	ND	0.010	0.00061	ng/g
PCB 154 (BZ)	ND	0.010	0.00077	ng/g
PCB 155 (BZ)	ND	0.010	0.00063	ng/g
PCB 156 (BZ)	ND	0.010	0.00086	ng/g
PCB 157 (BZ)	ND	0.010	0.00086	ng/g
PCB 158 (BZ)	ND	0.010	0.00056	ng/g
PCB 159 (BZ)	ND	0.010	0.00060	ng/g
PCB 160 (BZ)	ND	0.010	0.00071	ng/g
PCB 161 (BZ)	ND	0.010	0.00059	ng/g
PCB 162 (BZ)	ND	0.010	0.00059	ng/g
PCB 163 (BZ)	ND	0.010	0.00071	ng/g
PCB 164 (BZ)	ND	0.010	0.00062	ng/g
PCB 165 (BZ)	ND	0.010	0.00065	ng/g
PCB 166 (BZ)	ND	0.010	0.00068	ng/g
PCB 167 (BZ)	ND	0.010	0.00048	ng/g
PCB 168 (BZ)	ND	0.010	0.00061	ng/g
PCB 169 (BZ)	ND	0.010	0.00037	ng/g
PCB 170 (BZ)	ND	0.010	0.00085	ng/g
PCB 171 (BZ)	ND	0.010	0.00094	ng/g
PCB 172 (BZ)	ND	0.010	0.00093	ng/g
PCB 173 (BZ)	ND	0.010	0.00094	ng/g
PCB 174 (BZ)	ND	0.010	0.00087	ng/g
PCB 175 (BZ)	ND	0.010	0.00083	ng/g
PCB 176 (BZ)	ND	0.010	0.00063	ng/g
PCB 177 (BZ)	ND	0.010	0.00089	ng/g
PCB 178 (BZ)	ND	0.010	0.00090	ng/g
PCB 179 (BZ)	ND	0.010	0.00067	ng/g
PCB 180 (BZ)	ND	0.010	0.00071	ng/g

TestAmerica Pittsburgh

Sample ID: LB 180-72914/19-A BATCH 72914

Trace Level Organic Compounds

Lot - Sample #....: H3E290405 - 007 Work Order #....: M00V11AA Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 1
 Prep Date....: 05/31/13 Analysis Date....: 06/13/13
 Prep Batch #: 3151015
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND	0.010	0.00083	ng/g
PCB 182 (BZ)	ND	0.010	0.00081	ng/g
PCB 183 (BZ)	ND	0.010	0.00083	ng/g
PCB 184 (BZ)	ND	0.010	0.00069	ng/g
PCB 185 (BZ)	ND	0.010	0.00083	ng/g
PCB 186 (BZ)	ND	0.010	0.00067	ng/g
PCB 187 (BZ)	ND	0.010	0.00077	ng/g
PCB 188 (BZ)	ND	0.010	0.00065	ng/g
PCB 189 (BZ)	ND	0.010	0.00039	ng/g
PCB 190 (BZ)	ND	0.010	0.00065	ng/g
PCB 191 (BZ)	ND	0.010	0.00063	ng/g
PCB 192 (BZ)	ND	0.010	0.00071	ng/g
PCB 193 (BZ)	ND	0.010	0.00071	ng/g
PCB 194 (BZ)	ND	0.010	0.00071	ng/g
PCB 195 (BZ)	ND	0.010	0.00077	ng/g
PCB 196 (BZ)	ND	0.010	0.00093	ng/g
PCB 197 (BZ)	ND	0.010	0.00069	ng/g
PCB 198 (BZ)	ND	0.010	0.00096	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND	0.010	0.00096	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND	0.010	0.00068	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND	0.010	0.00066	ng/g
PCB 202 (BZ)	ND	0.010	0.00074	ng/g
PCB 203 (BZ)	ND	0.010	0.00086	ng/g
PCB 204 (BZ)	ND	0.010	0.00072	ng/g
PCB 205 (BZ)	ND	0.010	0.00060	ng/g
PCB 206 (BZ)	ND	0.010	0.00088	ng/g
PCB 207 (BZ)	ND	0.010	0.00053	ng/g
PCB 208 (BZ)	ND	0.010	0.00050	ng/g
PCB 209 (BZ)	ND	0.010	0.0010	ng/g

TestAmerica Pittsburgh

Sample ID: LB 180-72914/19-A BATCH 72914

Trace Level Organic Compounds

Lot - Sample #....:	H3E290405 - 007	Work Order #....:	M00V11AA	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	1
Prep Date....:	05/31/13	Analysis Date....:	06/13/13		
Prep Batch #:	3151015				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	67	30 - 140
13C12-PCB 3	60	30 - 140
13C12-PCB 4	67	30 - 140
13C12-PCB 15	64	30 - 140
13C12-PCB 19	71	30 - 140
13C12-PCB 37	69	30 - 140
13C12-PCB 54	83	30 - 140
13C12-PCB 77	73	30 - 140
13C12-PCB 81	71	30 - 140
13C12-PCB 104	70	30 - 140
13C12-PCB 105	76	30 - 140
13C12-PCB 114	74	30 - 140
13C12-PCB 118	67	30 - 140
13C12-PCB 123	66	30 - 140
13C12-PCB 126	70	30 - 140
13C12-PCB 155	90	30 - 140
13C12-PCB 156	87	C 30 - 140
13C12-PCB 157	87	C 30 - 140
13C12-PCB 167	84	30 - 140
13C12-PCB 169	108	30 - 140
13C12-PCB 170	97	30 - 140
13C12-PCB 188	82	30 - 140
13C12-PCB 189	105	30 - 140
13C12-PCB 202	91	30 - 140
13C12-PCB 205	73	30 - 140
13C12-PCB 206	84	30 - 140
13C12-PCB 208	104	30 - 140
13C12-PCB 209	72	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	82	40 - 125
13C12-PCB 111	85	40 - 125
13C12-PCB 178	91	40 - 125

TestAmerica Pittsburgh**Sample ID: LB 180-72914/19-A BATCH 72914****Trace Level Organic Compounds**

Lot - Sample #....: H3E290405 - 007 **Work Order #....:** M00V11AA **Matrix....:** TA
Date Sampled....: 05/20/13 **Date Received....:** 05/29/13 **Dilution Factor:** 1
Prep Date....: 05/31/13 **Analysis Date....:** 06/13/13
Prep Batch #: 3151015
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Patricia(Trish) M. Parsly

Sample results, minimum levels, and estimated detection limits are reported on a wet weight (as received) basis and have not been adjusted for percent moisture.

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B
 Dilution Factor: 1
 Prep Date....: 05/31/13
 Prep Batch #: 3151015
 Initial Wgt/Vol : 10 g
 Analyst ID....: Patricia(Trish) M. Parsly

Work Order #....: M007H1AA

Matrix....: SOLID

Analysis Date....: 06/13/13

Percent Moisture: 100

Instrument ID....: M1D

Method: EPA-22 1668A

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.010	0.00019	ng/g
PCB 2 (BZ)	ND	0.010	0.00026	ng/g
PCB 3 (BZ)	ND	0.010	0.00040	ng/g
PCB 4 (BZ)	ND	0.020	0.0026	ng/g
PCB 5 (BZ)	ND	0.010	0.0022	ng/g
PCB 6 (BZ)	ND	0.010	0.0020	ng/g
PCB 7 (BZ)	ND	0.010	0.0021	ng/g
PCB 8 (BZ)	ND	0.020	0.0020	ng/g
PCB 9 (BZ)	ND	0.010	0.0021	ng/g
PCB 10 (BZ)	ND	0.010	0.0023	ng/g
PCB 11 (BZ)	0.0020	Q J 0.020	0.0020	ng/g
PCB 12 (BZ)	ND	0.010	0.0021	ng/g
PCB 13 (BZ)	ND	0.010	0.0021	ng/g
PCB 14 (BZ)	ND	0.010	0.0018	ng/g
PCB 15 (BZ)	ND	0.010	0.0022	ng/g
PCB 16 (BZ)	ND	0.010	0.0013	ng/g
PCB 17 (BZ)	ND	0.010	0.0010	ng/g
PCB 18 (BZ)	ND	0.020	0.00093	ng/g
PCB 19 (BZ)	ND	0.010	0.0013	ng/g
PCB 20 (BZ)	ND	0.020	0.00075	ng/g
PCB 21 (BZ)	ND	0.010	0.00075	ng/g
PCB 22 (BZ)	ND	0.010	0.00076	ng/g
PCB 23 (BZ)	ND	0.010	0.00077	ng/g
PCB 24 (BZ)	ND	0.010	0.00088	ng/g
PCB 25 (BZ)	ND	0.010	0.00069	ng/g
PCB 26 (BZ)	ND	0.010	0.00073	ng/g
PCB 27 (BZ)	ND	0.010	0.00076	ng/g
PCB 28 (BZ)	ND	0.020	0.00075	ng/g
PCB 29 (BZ)	ND	0.010	0.00073	ng/g
PCB 30 (BZ)	ND	0.020	0.00093	ng/g
PCB 31 (BZ)	ND	0.020	0.00073	ng/g
PCB 32 (BZ)	ND	0.010	0.00074	ng/g
PCB 33 (BZ)	ND	0.010	0.00075	ng/g
PCB 34 (BZ)	ND	0.010	0.00076	ng/g
PCB 35 (BZ)	ND	0.010	0.00078	ng/g
PCB 36 (BZ)	ND	0.010	0.00076	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B

Work Order #....: M007H1AA

Matrix....: SOLID

Dilution Factor: 1

Prep Date....: 05/31/13

Analysis Date....: 06/13/13

Percent Moisture: 100

Prep Batch #: 3151015

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND	0.010	0.00078	ng/g
PCB 38 (BZ)	ND	0.010	0.00080	ng/g
PCB 39 (BZ)	ND	0.010	0.00071	ng/g
PCB 40 (BZ)	ND	0.010	0.0010	ng/g
PCB 41 (BZ)	ND	0.010	0.0010	ng/g
PCB 42 (BZ)	ND	0.010	0.0010	ng/g
PCB 43 (BZ)	ND	0.010	0.00095	ng/g
PCB 44 (BZ)	ND	0.010	0.00091	ng/g
PCB 45 (BZ)	ND	0.010	0.0011	ng/g
PCB 46 (BZ)	ND	0.010	0.0012	ng/g
PCB 47 (BZ)	ND	0.010	0.00091	ng/g
PCB 48 (BZ)	ND	0.010	0.0010	ng/g
PCB 49 (BZ)	ND	0.010	0.00084	ng/g
PCB 50 (BZ)	ND	0.010	0.00098	ng/g
PCB 51 (BZ)	ND	0.010	0.0011	ng/g
PCB 52 (BZ)	ND	0.010	0.00098	ng/g
PCB 53 (BZ)	ND	0.010	0.00098	ng/g
PCB 54 (BZ)	ND	0.010	0.00077	ng/g
PCB 55 (BZ)	ND	0.010	0.00079	ng/g
PCB 56 (BZ)	ND	0.010	0.00074	ng/g
PCB 57 (BZ)	ND	0.010	0.00075	ng/g
PCB 58 (BZ)	ND	0.010	0.00075	ng/g
PCB 59 (BZ)	ND	0.010	0.00072	ng/g
PCB 60 (BZ)	ND	0.010	0.00076	ng/g
PCB 61 (BZ)	ND	0.020	0.00072	ng/g
PCB 62 (BZ)	ND	0.010	0.00072	ng/g
PCB 63 (BZ)	ND	0.010	0.00070	ng/g
PCB 64 (BZ)	ND	0.010	0.00069	ng/g
PCB 65 (BZ)	ND	0.010	0.00091	ng/g
PCB 66 (BZ)	ND	0.010	0.00072	ng/g
PCB 67 (BZ)	ND	0.010	0.00068	ng/g
PCB 68 (BZ)	ND	0.010	0.00068	ng/g
PCB 69 (BZ)	ND	0.010	0.00084	ng/g
PCB 70 (BZ)	ND	0.020	0.00072	ng/g
PCB 71 (BZ)	ND	0.010	0.0010	ng/g
PCB 72 (BZ)	ND	0.010	0.00073	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B

Work Order #....: M007H1AA

Matrix....: SOLID

Dilution Factor: 1

Prep Date....: 05/31/13

Analysis Date....: 06/13/13

Percent Moisture: 100

Prep Batch #: 3151015

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND	0.010	0.00095	ng/g
PCB 74 (BZ)	ND	0.020	0.00072	ng/g
PCB 75 (BZ)	ND	0.010	0.00072	ng/g
PCB 76 (BZ)	ND	0.020	0.00072	ng/g
PCB 77 (BZ)	ND	0.010	0.00070	ng/g
PCB 78 (BZ)	ND	0.010	0.00078	ng/g
PCB 79 (BZ)	ND	0.010	0.00068	ng/g
PCB 80 (BZ)	ND	0.010	0.00066	ng/g
PCB 81 (BZ)	ND	0.010	0.00070	ng/g
PCB 82 (BZ)	ND	0.010	0.0013	ng/g
PCB 83 (BZ)	ND	0.010	0.0011	ng/g
PCB 84 (BZ)	ND	0.010	0.0013	ng/g
PCB 85 (BZ)	ND	0.010	0.00092	ng/g
PCB 86 (BZ)	ND	0.010	0.00094	ng/g
PCB 87 (BZ)	ND	0.010	0.00094	ng/g
PCB 88 (BZ)	ND	0.010	0.0011	ng/g
PCB 89 (BZ)	ND	0.010	0.0012	ng/g
PCB 90 (BZ)	ND	0.010	0.00096	ng/g
PCB 91 (BZ)	ND	0.010	0.0011	ng/g
PCB 92 (BZ)	ND	0.010	0.0011	ng/g
PCB 93 (BZ)	ND	0.010	0.0011	ng/g
PCB 94 (BZ)	ND	0.010	0.0012	ng/g
PCB 95 (BZ)	ND	0.010	0.0012	ng/g
PCB 96 (BZ)	ND	0.010	0.00092	ng/g
PCB 97 (BZ)	ND	0.010	0.00094	ng/g
PCB 98 (BZ)	ND	0.010	0.0011	ng/g
PCB 99 (BZ)	ND	0.010	0.0011	ng/g
PCB 100 (BZ)	ND	0.010	0.0011	ng/g
PCB 101 (BZ)	ND	0.010	0.00096	ng/g
PCB 102 (BZ)	ND	0.010	0.0011	ng/g
PCB 103 (BZ)	ND	0.010	0.0011	ng/g
PCB 104 (BZ)	ND	0.010	0.00082	ng/g
PCB 105 (BZ)	ND	0.010	0.00056	ng/g
PCB 106 (BZ)	ND	0.010	0.00059	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND	0.010	0.00057	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND	0.010	0.00060	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B

Work Order #....: M007H1AA

Matrix....: SOLID

Dilution Factor: 1

Prep Date....: 05/31/13

Analysis Date....: 06/13/13

Percent Moisture: 100

Prep Batch #: 3151015

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	ND	0.010	0.00094	ng/g
PCB 110 (BZ)	ND	0.010	0.00081	ng/g
PCB 111 (BZ)	ND	0.010	0.00077	ng/g
PCB 112 (BZ)	ND	0.010	0.00084	ng/g
PCB 113 (BZ)	ND	0.010	0.00096	ng/g
PCB 114 (BZ)	ND	0.010	0.00053	ng/g
PCB 115 (BZ)	ND	0.010	0.00081	ng/g
PCB 116 (BZ)	ND	0.010	0.00092	ng/g
PCB 117 (BZ)	ND	0.010	0.00092	ng/g
PCB 118 (BZ)	ND	0.010	0.00053	ng/g
PCB 119 (BZ)	ND	0.010	0.00094	ng/g
PCB 120 (BZ)	ND	0.010	0.00079	ng/g
PCB 121 (BZ)	ND	0.010	0.00080	ng/g
PCB 122 (BZ)	ND	0.010	0.00064	ng/g
PCB 123 (BZ)	ND	0.010	0.00060	ng/g
PCB 124 (BZ)	ND	0.010	0.00060	ng/g
PCB 125 (BZ)	ND	0.010	0.00094	ng/g
PCB 126 (BZ)	ND	0.010	0.00061	ng/g
PCB 127 (BZ)	ND	0.010	0.00058	ng/g
PCB 128 (BZ)	ND	0.010	0.00093	ng/g
PCB 129 (BZ)	ND	0.010	0.00096	ng/g
PCB 130 (BZ)	ND	0.010	0.0012	ng/g
PCB 131 (BZ)	ND	0.010	0.0013	ng/g
PCB 132 (BZ)	ND	0.010	0.0012	ng/g
PCB 133 (BZ)	ND	0.010	0.0012	ng/g
PCB 134 (BZ)	ND	0.010	0.0012	ng/g
PCB 135 (BZ)	ND	0.010	0.0012	ng/g
PCB 136 (BZ)	ND	0.010	0.00089	ng/g
PCB 137 (BZ)	ND	0.010	0.0011	ng/g
PCB 138 (BZ)	ND	0.010	0.00096	ng/g
PCB 139 (BZ)	ND	0.010	0.0011	ng/g
PCB 140 (BZ)	ND	0.010	0.0011	ng/g
PCB 141 (BZ)	ND	0.010	0.0011	ng/g
PCB 142 (BZ)	ND	0.010	0.0012	ng/g
PCB 143 (BZ)	ND	0.010	0.0012	ng/g
PCB 144 (BZ)	ND	0.010	0.0011	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B

Work Order #....: M007H1AA

Matrix....: SOLID

Dilution Factor: 1

Prep Date....: 05/31/13

Analysis Date....: 06/13/13

Percent Moisture: 100

Prep Batch #: 3151015

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.010	0.00086	ng/g
PCB 146 (BZ)	ND	0.010	0.0010	ng/g
PCB 147 (BZ)	ND	0.010	0.0010	ng/g
PCB 148 (BZ)	ND	0.010	0.0012	ng/g
PCB 149 (BZ)	ND	0.010	0.0010	ng/g
PCB 150 (BZ)	ND	0.010	0.00083	ng/g
PCB 151 (BZ)	ND	0.010	0.0012	ng/g
PCB 152 (BZ)	ND	0.010	0.00085	ng/g
PCB 153 (BZ)	ND	0.010	0.00083	ng/g
PCB 154 (BZ)	ND	0.010	0.00099	ng/g
PCB 155 (BZ)	ND	0.010	0.00081	ng/g
PCB 156 (BZ)	ND	0.010	0.0011	ng/g
PCB 157 (BZ)	ND	0.010	0.0011	ng/g
PCB 158 (BZ)	ND	0.010	0.00075	ng/g
PCB 159 (BZ)	ND	0.010	0.00081	ng/g
PCB 160 (BZ)	ND	0.010	0.00096	ng/g
PCB 161 (BZ)	ND	0.010	0.00081	ng/g
PCB 162 (BZ)	ND	0.010	0.00080	ng/g
PCB 163 (BZ)	ND	0.010	0.00096	ng/g
PCB 164 (BZ)	ND	0.010	0.00084	ng/g
PCB 165 (BZ)	ND	0.010	0.00089	ng/g
PCB 166 (BZ)	ND	0.010	0.00093	ng/g
PCB 167 (BZ)	ND	0.010	0.00060	ng/g
PCB 168 (BZ)	ND	0.010	0.00083	ng/g
PCB 169 (BZ)	ND	0.010	0.00057	ng/g
PCB 170 (BZ)	ND	0.010	0.0010	ng/g
PCB 171 (BZ)	ND	0.010	0.0011	ng/g
PCB 172 (BZ)	ND	0.010	0.0011	ng/g
PCB 173 (BZ)	ND	0.010	0.0011	ng/g
PCB 174 (BZ)	ND	0.010	0.0010	ng/g
PCB 175 (BZ)	ND	0.010	0.00098	ng/g
PCB 176 (BZ)	ND	0.010	0.00075	ng/g
PCB 177 (BZ)	ND	0.010	0.0010	ng/g
PCB 178 (BZ)	ND	0.010	0.0011	ng/g
PCB 179 (BZ)	ND	0.010	0.00079	ng/g
PCB 180 (BZ)	ND	0.010	0.00083	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B

Work Order #....: M007H1AA

Matrix....: SOLID

Dilution Factor: 1

Prep Date....: 05/31/13

Analysis Date....: 06/13/13

Percent Moisture: 100

Prep Batch #: 3151015

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND	0.010	0.00098	ng/g
PCB 182 (BZ)	ND	0.010	0.00095	ng/g
PCB 183 (BZ)	ND	0.010	0.00097	ng/g
PCB 184 (BZ)	ND	0.010	0.00081	ng/g
PCB 185 (BZ)	ND	0.010	0.00097	ng/g
PCB 186 (BZ)	ND	0.010	0.00078	ng/g
PCB 187 (BZ)	ND	0.010	0.00091	ng/g
PCB 188 (BZ)	ND	0.010	0.00074	ng/g
PCB 189 (BZ)	ND	0.010	0.00050	ng/g
PCB 190 (BZ)	ND	0.010	0.00076	ng/g
PCB 191 (BZ)	ND	0.010	0.00075	ng/g
PCB 192 (BZ)	ND	0.010	0.00083	ng/g
PCB 193 (BZ)	ND	0.010	0.00083	ng/g
PCB 194 (BZ)	ND	0.010	0.00084	ng/g
PCB 195 (BZ)	ND	0.010	0.00091	ng/g
PCB 196 (BZ)	ND	0.010	0.0012	ng/g
PCB 197 (BZ)	ND	0.010	0.00088	ng/g
PCB 198 (BZ)	ND	0.010	0.0012	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND	0.010	0.0012	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND	0.010	0.00086	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND	0.010	0.00084	ng/g
PCB 202 (BZ)	ND	0.010	0.00094	ng/g
PCB 203 (BZ)	ND	0.010	0.0011	ng/g
PCB 204 (BZ)	ND	0.010	0.00092	ng/g
PCB 205 (BZ)	ND	0.010	0.00071	ng/g
PCB 206 (BZ)	ND	0.010	0.0013	ng/g
PCB 207 (BZ)	ND	0.010	0.00092	ng/g
PCB 208 (BZ)	ND	0.010	0.00098	ng/g
PCB 209 (BZ)	ND	0.010	0.00089	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3E310000 - 015B
Dilution Factor: 1
Prep Date....: 05/31/13
Prep Batch #: 3151015
Initial Wgt/Vol : 10 g
Analyst ID....: Patricia(Trish) M. Parsly

Work Order #....: M007H1AA **Matrix....:** SOLID
Analysis Date....: 06/13/13 **Percent Moisture:** 100
Instrument ID....: M1D **Method:** EPA-22 1668A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	94	30 - 140
13C12-PCB 3	61	30 - 140
13C12-PCB 4	68	30 - 140
13C12-PCB 15	62	30 - 140
13C12-PCB 19	68	30 - 140
13C12-PCB 37	63	30 - 140
13C12-PCB 54	78	30 - 140
13C12-PCB 77	66	30 - 140
13C12-PCB 81	65	30 - 140
13C12-PCB 104	67	30 - 140
13C12-PCB 105	73	30 - 140
13C12-PCB 114	72	30 - 140
13C12-PCB 118	72	30 - 140
13C12-PCB 123	69	30 - 140
13C12-PCB 126	68	30 - 140
13C12-PCB 155	83	30 - 140
13C12-PCB 156	86	C
13C12-PCB 157	86	C
13C12-PCB 167	83	30 - 140
13C12-PCB 169	90	30 - 140
13C12-PCB 170	85	30 - 140
13C12-PCB 188	80	30 - 140
13C12-PCB 189	89	30 - 140
13C12-PCB 202	91	30 - 140
13C12-PCB 205	74	30 - 140
13C12-PCB 206	80	30 - 140
13C12-PCB 208	76	30 - 140
13C12-PCB 209	70	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	80	40 - 125
13C12-PCB 111	84	40 - 125
13C12-PCB 178	85	40 - 125

Method Blank Report**Trace Level Organic Compounds****Lot - Sample #....:** H3E310000 - 015B**Work Order #....:** M007H1AA**Matrix....:** SOLID**Dilution Factor:** 1**Prep Date....:** 05/31/13**Analysis Date....:** 06/13/13**Percent Moisture:** 100**Prep Batch #:** 3151015**Initial Wgt/Vol :** 10 g**Instrument ID....:** M1D**Method:** EPA-22 1668A**Analyst ID....:** Patricia(Trish) M. Parsly**QUALIFIERS**

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: H3E290405 Work Order # ...: M007H1AC-LCS Matrix: SOLID
 LCS Lot-Sample# : H3E310000 - 015 Analysis Date ..: 06/13/13
 Prep Date: 05/31/13
 Prep Batch # ...: 3151015
 Dilution Factor : 1
 Analyst ID.....: Melissa A. Davidson Instrument ID..: M1D Method.....: EPA-22 1668A
 Initial Wgt/Vol: 10 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS
PCB 1 (BZ)	0.500	0.454	ng/g	91	(50 - 150)
PCB 3 (BZ)	0.500	0.465	ng/g	93	(50 - 150)
PCB 4 (BZ)	0.500	0.491	ng/g	98	(50 - 150)
PCB 15 (BZ)	0.500	0.512	ng/g	102	(50 - 150)
PCB 19 (BZ)	0.500	0.501	ng/g	100	(50 - 150)
PCB 37 (BZ)	0.500	0.551	ng/g	110	(50 - 150)
PCB 54 (BZ)	0.500	0.532	ng/g	106	(50 - 150)
PCB 77 (BZ)	0.500	0.534	ng/g	107	(50 - 150)
PCB 81 (BZ)	0.500	0.525	ng/g	105	(50 - 150)
PCB 104 (BZ)	0.500	0.543	ng/g	109	(50 - 150)
PCB 105 (BZ)	0.500	0.582	ng/g	116	(50 - 150)
PCB 114 (BZ)	0.500	0.579	ng/g	116	(50 - 150)
PCB 118 (BZ)	0.500	0.570	ng/g	114	(50 - 150)
PCB 123 (BZ)	0.500	0.620	ng/g	124	(50 - 150)
PCB 126 (BZ)	0.500	0.610	ng/g	122	(50 - 150)
PCB 155 (BZ)	0.500	0.532	ng/g	106	(50 - 150)
PCB 156 (BZ)	1.00	1.12	ng/g	112 C	(50 - 150)
PCB 157 (BZ)	1.00	1.12	ng/g	112 C	156 (50 - 150)
PCB 167 (BZ)	0.500	0.578	ng/g	116	(50 - 150)
PCB 169 (BZ)	0.500	0.531	ng/g	106	(50 - 150)
PCB 188 (BZ)	0.500	0.501	ng/g	100	(50 - 150)
PCB 189 (BZ)	0.500	0.576	ng/g	115	(50 - 150)
PCB 202 (BZ)	0.500	0.483	ng/g	97	(50 - 150)
PCB 205 (BZ)	0.500	0.620	ng/g	124	(50 - 150)
PCB 206 (BZ)	0.500	0.481	ng/g	96	(50 - 150)
PCB 208 (BZ)	0.500	0.508	ng/g	102	(50 - 150)
PCB 209 (BZ)	0.500	0.583	ng/g	117	(50 - 150)

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	53	(30 - 140)
13C12-PCB 3	52	(30 - 140)
13C12-PCB 4	64	(30 - 140)
13C12-PCB 15	63	(30 - 140)
13C12-PCB 19	66	(30 - 140)
13C12-PCB 37	65	(30 - 140)
13C12-PCB 54	69	(30 - 140)
13C12-PCB 77	68	(30 - 140)
13C12-PCB 81	67	(30 - 140)
13C12-PCB 104	68	(30 - 140)
13C12-PCB 105	71	(30 - 140)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: H3E290405
 LCS Lot-Sample# : H3E310000 - 015

Work Order # ...: M007H1AC-LCS

Matrix: SOLID

INTERNAL STANDARD

PERCENT RECOVERY

RECOVERY LIMITS

13C12-PCB 114	73	(30 - 140)
13C12-PCB 118	71	(30 - 140)
13C12-PCB 123	72	(30 - 140)
13C12-PCB 126	68	(30 - 140)
13C12-PCB 155	85	(30 - 140)
13C12-PCB 156	82 C	(30 - 140)
13C12-PCB 157	82 C	(30 - 140)
13C12-PCB 167	81	(30 - 140)
13C12-PCB 169	86	(30 - 140)
13C12-PCB 170	82	(30 - 140)
13C12-PCB 188	86	(30 - 140)
13C12-PCB 189	83	(30 - 140)
13C12-PCB 202	96	(30 - 140)
13C12-PCB 205	74	(30 - 140)
13C12-PCB 206	94	(30 - 140)
13C12-PCB 208	82	(30 - 140)
13C12-PCB 209	82	(30 - 140)

SURROGATE

PERCENT RECOVERY

RECOVERY LIMITS

13C12-PCB 28	81	(40 - 125)
13C12-PCB 111	82	(40 - 125)
13C12-PCB 178	88	(40 - 125)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

Q Estimated maximum possible concentration (EMPC).

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00023	Q J	0.010	0.00011	ng/g
PCB 2 (BZ)	ND		0.010	0.00013	ng/g
PCB 3 (BZ)	ND		0.010	0.00014	ng/g
PCB 4 (BZ)	ND		0.020	0.0011	ng/g
PCB 5 (BZ)	ND		0.010	0.00080	ng/g
PCB 6 (BZ)	0.00053	Q J	0.010	0.00076	ng/g
PCB 7 (BZ)	0.00093	Q J	0.010	0.00078	ng/g
PCB 8 (BZ)	0.0013	Q J	0.020	0.00074	ng/g
PCB 9 (BZ)	0.00076	Q J	0.010	0.00078	ng/g
PCB 10 (BZ)	ND		0.010	0.00084	ng/g
PCB 11 (BZ)	0.0038	Q J	0.020	0.00074	ng/g
PCB 12 (BZ)	0.00065	Q C J	0.010	0.00076	ng/g
PCB 13 (BZ)	0.00065	Q C12 J	0.010	0.00076	ng/g
PCB 14 (BZ)	ND		0.010	0.00066	ng/g
PCB 15 (BZ)	0.00050	Q J	0.010	0.00076	ng/g
PCB 16 (BZ)	ND		0.010	0.00065	ng/g
PCB 17 (BZ)	ND		0.010	0.00055	ng/g
PCB 18 (BZ)	ND		0.020	0.00048	ng/g
PCB 19 (BZ)	ND		0.010	0.00067	ng/g
PCB 20 (BZ)	0.00084	C J	0.020	0.00018	ng/g
PCB 21 (BZ)	0.00050	Q C J	0.010	0.00018	ng/g
PCB 22 (BZ)	ND		0.010	0.00018	ng/g
PCB 23 (BZ)	ND		0.010	0.00019	ng/g
PCB 24 (BZ)	ND		0.010	0.00046	ng/g
PCB 25 (BZ)	ND		0.010	0.00017	ng/g
PCB 26 (BZ)	ND		0.010	0.00018	ng/g
PCB 27 (BZ)	ND		0.010	0.00039	ng/g
PCB 28 (BZ)	0.00084	C20 J	0.020	0.00018	ng/g
PCB 29 (BZ)	ND		0.010	0.00018	ng/g
PCB 30 (BZ)	ND		0.020	0.00048	ng/g
PCB 31 (BZ)	0.00062	Q J	0.020	0.00018	ng/g
PCB 32 (BZ)	ND		0.010	0.00039	ng/g
PCB 33 (BZ)	0.00050	Q C21 J	0.010	0.00018	ng/g
PCB 34 (BZ)	ND		0.010	0.00019	ng/g
PCB 35 (BZ)	ND		0.010	0.00019	ng/g
PCB 36 (BZ)	ND		0.010	0.00018	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B Work Order #....: M06W81AA Matrix....: BIOLOGICAL
 Dilution Factor: 1
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00028	Q J	0.010	0.00019	ng/g
PCB 38 (BZ)	ND		0.010	0.00019	ng/g
PCB 39 (BZ)	ND		0.010	0.00017	ng/g
PCB 40 (BZ)	0.00037	Q C J	0.010	0.00027	ng/g
PCB 41 (BZ)	0.00037	Q C40 J	0.010	0.00027	ng/g
PCB 42 (BZ)	ND		0.010	0.00027	ng/g
PCB 43 (BZ)	ND		0.010	0.00025	ng/g
PCB 44 (BZ)	0.00084	C J	0.010	0.00024	ng/g
PCB 45 (BZ)	ND		0.010	0.00028	ng/g
PCB 46 (BZ)	ND		0.010	0.00033	ng/g
PCB 47 (BZ)	0.00084	C44 J	0.010	0.00024	ng/g
PCB 48 (BZ)	ND		0.010	0.00026	ng/g
PCB 49 (BZ)	ND		0.010	0.00022	ng/g
PCB 50 (BZ)	ND		0.010	0.00026	ng/g
PCB 51 (BZ)	ND		0.010	0.00028	ng/g
PCB 52 (BZ)	ND		0.010	0.00026	ng/g
PCB 53 (BZ)	ND		0.010	0.00026	ng/g
PCB 54 (BZ)	ND		0.010	0.00068	ng/g
PCB 55 (BZ)	ND		0.010	0.00021	ng/g
PCB 56 (BZ)	ND		0.010	0.00019	ng/g
PCB 57 (BZ)	ND		0.010	0.00020	ng/g
PCB 58 (BZ)	ND		0.010	0.00020	ng/g
PCB 59 (BZ)	ND		0.010	0.00019	ng/g
PCB 60 (BZ)	ND		0.010	0.00020	ng/g
PCB 61 (BZ)	0.00084	C J	0.020	0.00019	ng/g
PCB 62 (BZ)	ND		0.010	0.00019	ng/g
PCB 63 (BZ)	ND		0.010	0.00018	ng/g
PCB 64 (BZ)	ND		0.010	0.00018	ng/g
PCB 65 (BZ)	0.00084	C44 J	0.010	0.00024	ng/g
PCB 66 (BZ)	ND		0.010	0.00019	ng/g
PCB 67 (BZ)	ND		0.010	0.00018	ng/g
PCB 68 (BZ)	ND		0.010	0.00018	ng/g
PCB 69 (BZ)	ND		0.010	0.00022	ng/g
PCB 70 (BZ)	0.00084	C61 J	0.020	0.00019	ng/g
PCB 71 (BZ)	0.00037	Q C40 J	0.010	0.00027	ng/g
PCB 72 (BZ)	ND		0.010	0.00019	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.010	0.00025	ng/g
PCB 74 (BZ)	0.00084	C61 J	0.020	0.00019	ng/g
PCB 75 (BZ)	ND		0.010	0.00019	ng/g
PCB 76 (BZ)	0.00084	C61 J	0.020	0.00019	ng/g
PCB 77 (BZ)	ND		0.010	0.00018	ng/g
PCB 78 (BZ)	ND		0.010	0.00020	ng/g
PCB 79 (BZ)	ND		0.010	0.00018	ng/g
PCB 80 (BZ)	ND		0.010	0.00017	ng/g
PCB 81 (BZ)	ND		0.010	0.00018	ng/g
PCB 82 (BZ)	ND		0.010	0.00043	ng/g
PCB 83 (BZ)	ND		0.010	0.00036	ng/g
PCB 84 (BZ)	ND		0.010	0.00041	ng/g
PCB 85 (BZ)	ND		0.010	0.00030	ng/g
PCB 86 (BZ)	ND		0.010	0.00031	ng/g
PCB 87 (BZ)	ND		0.010	0.00031	ng/g
PCB 88 (BZ)	ND		0.010	0.00037	ng/g
PCB 89 (BZ)	ND		0.010	0.00040	ng/g
PCB 90 (BZ)	ND		0.010	0.00031	ng/g
PCB 91 (BZ)	ND		0.010	0.00037	ng/g
PCB 92 (BZ)	ND		0.010	0.00035	ng/g
PCB 93 (BZ)	ND		0.010	0.00036	ng/g
PCB 94 (BZ)	ND		0.010	0.00040	ng/g
PCB 95 (BZ)	ND		0.010	0.00038	ng/g
PCB 96 (BZ)	ND		0.010	0.00030	ng/g
PCB 97 (BZ)	ND		0.010	0.00031	ng/g
PCB 98 (BZ)	ND		0.010	0.00035	ng/g
PCB 99 (BZ)	ND		0.010	0.00036	ng/g
PCB 100 (BZ)	ND		0.010	0.00036	ng/g
PCB 101 (BZ)	ND		0.010	0.00031	ng/g
PCB 102 (BZ)	ND		0.010	0.00035	ng/g
PCB 103 (BZ)	ND		0.010	0.00035	ng/g
PCB 104 (BZ)	ND		0.010	0.00027	ng/g
PCB 105 (BZ)	ND		0.010	0.00018	ng/g
PCB 106 (BZ)	ND		0.010	0.00019	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND		0.010	0.00019	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND		0.010	0.00019	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	ND		0.010	0.00031	ng/g
PCB 110 (BZ)	0.00058	Q C J	0.010	0.00027	ng/g
PCB 111 (BZ)	ND		0.010	0.00025	ng/g
PCB 112 (BZ)	ND		0.010	0.00027	ng/g
PCB 113 (BZ)	ND		0.010	0.00031	ng/g
PCB 114 (BZ)	ND		0.010	0.00017	ng/g
PCB 115 (BZ)	0.00058	Q C110 J	0.010	0.00027	ng/g
PCB 116 (BZ)	ND		0.010	0.00030	ng/g
PCB 117 (BZ)	ND		0.010	0.00030	ng/g
PCB 118 (BZ)	0.00037	Q J	0.010	0.00018	ng/g
PCB 119 (BZ)	ND		0.010	0.00031	ng/g
PCB 120 (BZ)	ND		0.010	0.00026	ng/g
PCB 121 (BZ)	ND		0.010	0.00026	ng/g
PCB 122 (BZ)	ND		0.010	0.00021	ng/g
PCB 123 (BZ)	ND		0.010	0.00019	ng/g
PCB 124 (BZ)	ND		0.010	0.00019	ng/g
PCB 125 (BZ)	ND		0.010	0.00031	ng/g
PCB 126 (BZ)	ND		0.010	0.00019	ng/g
PCB 127 (BZ)	ND		0.010	0.00019	ng/g
PCB 128 (BZ)	ND		0.010	0.00031	ng/g
PCB 129 (BZ)	0.00098	C J	0.010	0.00032	ng/g
PCB 130 (BZ)	ND		0.010	0.00041	ng/g
PCB 131 (BZ)	ND		0.010	0.00042	ng/g
PCB 132 (BZ)	ND		0.010	0.00040	ng/g
PCB 133 (BZ)	ND		0.010	0.00039	ng/g
PCB 134 (BZ)	ND		0.010	0.00041	ng/g
PCB 135 (BZ)	ND		0.010	0.00053	ng/g
PCB 136 (BZ)	ND		0.010	0.00039	ng/g
PCB 137 (BZ)	ND		0.010	0.00036	ng/g
PCB 138 (BZ)	0.00098	C129 J	0.010	0.00032	ng/g
PCB 139 (BZ)	ND		0.010	0.00035	ng/g
PCB 140 (BZ)	ND		0.010	0.00035	ng/g
PCB 141 (BZ)	ND		0.010	0.00037	ng/g
PCB 142 (BZ)	ND		0.010	0.00041	ng/g
PCB 143 (BZ)	ND		0.010	0.00041	ng/g
PCB 144 (BZ)	ND		0.010	0.00049	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.00037	ng/g
PCB 146 (BZ)	ND		0.010	0.00034	ng/g
PCB 147 (BZ)	0.00057	Q C J	0.010	0.00034	ng/g
PCB 148 (BZ)	ND		0.010	0.00052	ng/g
PCB 149 (BZ)	0.00057	Q C147 J	0.010	0.00034	ng/g
PCB 150 (BZ)	ND		0.010	0.00036	ng/g
PCB 151 (BZ)	ND		0.010	0.00053	ng/g
PCB 152 (BZ)	ND		0.010	0.00037	ng/g
PCB 153 (BZ)	0.00086	C J	0.010	0.00028	ng/g
PCB 154 (BZ)	ND		0.010	0.00043	ng/g
PCB 155 (BZ)	ND		0.010	0.00035	ng/g
PCB 156 (BZ)	ND		0.010	0.00037	ng/g
PCB 157 (BZ)	ND		0.010	0.00037	ng/g
PCB 158 (BZ)	ND		0.010	0.00025	ng/g
PCB 159 (BZ)	ND		0.010	0.00027	ng/g
PCB 160 (BZ)	0.00098	C129 J	0.010	0.00032	ng/g
PCB 161 (BZ)	ND		0.010	0.00027	ng/g
PCB 162 (BZ)	ND		0.010	0.00027	ng/g
PCB 163 (BZ)	0.00098	C129 J	0.010	0.00032	ng/g
PCB 164 (BZ)	ND		0.010	0.00028	ng/g
PCB 165 (BZ)	ND		0.010	0.00030	ng/g
PCB 166 (BZ)	ND		0.010	0.00031	ng/g
PCB 167 (BZ)	ND		0.010	0.00021	ng/g
PCB 168 (BZ)	0.00086	C153 J	0.010	0.00028	ng/g
PCB 169 (BZ)	ND		0.010	0.00018	ng/g
PCB 170 (BZ)	ND		0.010	0.00032	ng/g
PCB 171 (BZ)	ND		0.010	0.00033	ng/g
PCB 172 (BZ)	ND		0.010	0.00032	ng/g
PCB 173 (BZ)	ND		0.010	0.00033	ng/g
PCB 174 (BZ)	ND		0.010	0.00030	ng/g
PCB 175 (BZ)	ND		0.010	0.00029	ng/g
PCB 176 (BZ)	ND		0.010	0.00022	ng/g
PCB 177 (BZ)	ND		0.010	0.00031	ng/g
PCB 178 (BZ)	ND		0.010	0.00032	ng/g
PCB 179 (BZ)	ND		0.010	0.00023	ng/g
PCB 180 (BZ)	0.00045	C J	0.010	0.00025	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B Work Order #....: M06W81AA Matrix....: BIOLOGICAL
 Dilution Factor: 1
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.010	0.00029	ng/g
PCB 182 (BZ)	ND		0.010	0.00028	ng/g
PCB 183 (BZ)	ND		0.010	0.00029	ng/g
PCB 184 (BZ)	ND		0.010	0.00024	ng/g
PCB 185 (BZ)	ND		0.010	0.00029	ng/g
PCB 186 (BZ)	ND		0.010	0.00023	ng/g
PCB 187 (BZ)	ND		0.010	0.00027	ng/g
PCB 188 (BZ)	ND		0.010	0.00022	ng/g
PCB 189 (BZ)	ND		0.010	0.00018	ng/g
PCB 190 (BZ)	ND		0.010	0.00023	ng/g
PCB 191 (BZ)	ND		0.010	0.00022	ng/g
PCB 192 (BZ)	ND		0.010	0.00025	ng/g
PCB 193 (BZ)	0.00045	C180 J	0.010	0.00025	ng/g
PCB 194 (BZ)	0.00073	J	0.010	0.00032	ng/g
PCB 195 (BZ)	ND		0.010	0.00035	ng/g
PCB 196 (BZ)	ND		0.010	0.00044	ng/g
PCB 197 (BZ)	ND		0.010	0.00033	ng/g
PCB 198 (BZ)	ND		0.010	0.00045	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND		0.010	0.00045	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00032	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.010	0.00031	ng/g
PCB 202 (BZ)	ND		0.010	0.00035	ng/g
PCB 203 (BZ)	ND		0.010	0.00040	ng/g
PCB 204 (BZ)	ND		0.010	0.00034	ng/g
PCB 205 (BZ)	ND		0.010	0.00027	ng/g
PCB 206 (BZ)	ND		0.010	0.00041	ng/g
PCB 207 (BZ)	ND		0.010	0.00031	ng/g
PCB 208 (BZ)	ND		0.010	0.00034	ng/g
PCB 209 (BZ)	ND		0.010	0.00058	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B
Dilution Factor: 1
Prep Date....: 06/21/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g
Analyst ID....: Jon M. Nordquist

Work Order #....: M06W81AA **Matrix....:** BIOLOGICAL
Analysis Date....: 06/27/13
Instrument ID....: M1D **Method:** EPA-22 1668A

INTERNAL STANDARDS

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	67	30 - 140
13C12-PCB 3	67	30 - 140
13C12-PCB 4	68	30 - 140
13C12-PCB 15	74	30 - 140
13C12-PCB 19	64	30 - 140
13C12-PCB 37	72	30 - 140
13C12-PCB 54	52	30 - 140
13C12-PCB 77	76	30 - 140
13C12-PCB 81	75	30 - 140
13C12-PCB 104	72	30 - 140
13C12-PCB 105	74	30 - 140
13C12-PCB 114	78	30 - 140
13C12-PCB 118	75	30 - 140
13C12-PCB 123	75	30 - 140
13C12-PCB 126	74	30 - 140
13C12-PCB 155	71	30 - 140
13C12-PCB 156	86	C
13C12-PCB 157	86	C
13C12-PCB 167	84	30 - 140
13C12-PCB 169	93	30 - 140
13C12-PCB 170	85	30 - 140
13C12-PCB 188	80	30 - 140
13C12-PCB 189	82	30 - 140
13C12-PCB 202	86	30 - 140
13C12-PCB 205	72	30 - 140
13C12-PCB 206	89	30 - 140
13C12-PCB 208	81	30 - 140
13C12-PCB 209	77	30 - 140

SURROGATE

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	72	40 - 125
13C12-PCB 111	79	40 - 125
13C12-PCB 178	77	40 - 125

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B

Work Order #....: M06W81AA

Matrix....: BIOLOGICAL

Dilution Factor: 1

Prep Date....: 06/21/13

Analysis Date....: 06/27/13

Prep Batch #: 3172043

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Jon M. Nordquist

QUALIFIERS

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: H3E290405 Work Order # ...: M06W81AC-LCS Matrix: BIOLOGICA
 LCS Lot-Sample# : H3F210000 - 043 Analysis Date ..: 06/27/13
 Prep Date: 06/21/13
 Prep Batch # ...: 3172043
 Dilution Factor : 1
 Analyst ID.....: Jon M. Nordquist Instrument ID.: M1D Method.....: EPA-22 1668A
 Initial Wgt/Vol: 10 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS
PCB 1 (BZ)	0.500	0.439	ng/g	88 B	(50 - 150)
PCB 3 (BZ)	0.500	0.478	ng/g	96	(50 - 150)
PCB 4 (BZ)	0.500	0.530	ng/g	106	(50 - 150)
PCB 15 (BZ)	0.500	0.538	ng/g	108 B	(50 - 150)
PCB 19 (BZ)	0.500	0.577	ng/g	115	(50 - 150)
PCB 37 (BZ)	0.500	0.533	ng/g	107 B	(50 - 150)
PCB 54 (BZ)	0.500	0.569	ng/g	114	(50 - 150)
PCB 77 (BZ)	0.500	0.534	ng/g	107	(50 - 150)
PCB 81 (BZ)	0.500	0.534	ng/g	107	(50 - 150)
PCB 104 (BZ)	0.500	0.554	ng/g	111	(50 - 150)
PCB 105 (BZ)	0.500	0.573	ng/g	115	(50 - 150)
PCB 114 (BZ)	0.500	0.600	ng/g	120	(50 - 150)
PCB 118 (BZ)	0.500	0.552	ng/g	110 B	(50 - 150)
PCB 123 (BZ)	0.500	0.630	ng/g	126	(50 - 150)
PCB 126 (BZ)	0.500	0.629	ng/g	126	(50 - 150)
PCB 155 (BZ)	0.500	0.578	ng/g	116	(50 - 150)
PCB 156 (BZ)	1.00	1.15	ng/g	115 C	(50 - 150)
PCB 157 (BZ)	1.00	1.15	ng/g	115 C C156	(50 - 150)
PCB 167 (BZ)	0.500	0.590	ng/g	118	(50 - 150)
PCB 169 (BZ)	0.500	0.542	ng/g	108	(50 - 150)
PCB 188 (BZ)	0.500	0.543	ng/g	109	(50 - 150)
PCB 189 (BZ)	0.500	0.586	ng/g	117	(50 - 150)
PCB 202 (BZ)	0.500	0.544	ng/g	109	(50 - 150)
PCB 205 (BZ)	0.500	0.655	ng/g	131	(50 - 150)
PCB 206 (BZ)	0.500	0.506	ng/g	101	(50 - 150)
PCB 208 (BZ)	0.500	0.530	ng/g	106	(50 - 150)
PCB 209 (BZ)	0.500	0.615	ng/g	123	(50 - 150)

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	60	(30 - 140)
13C12-PCB 3	59	(30 - 140)
13C12-PCB 4	62	(30 - 140)
13C12-PCB 15	68	(30 - 140)
13C12-PCB 19	63	(30 - 140)
13C12-PCB 37	70	(30 - 140)
13C12-PCB 54	48	(30 - 140)
13C12-PCB 77	71	(30 - 140)
13C12-PCB 81	71	(30 - 140)
13C12-PCB 104	67	(30 - 140)
13C12-PCB 105	66	(30 - 140)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #: H3E290405
 LCS Lot-Sample#: H3F210000 - 043

Work Order # ...: M06W81AC-LCS

Matrix: BIOLOGICA

INTERNAL STANDARDPERCENT RECOVERYRECOVERY LIMITS

13C12-PCB 114	67	(30 - 140)
13C12-PCB 118	66	(30 - 140)
13C12-PCB 123	65	(30 - 140)
13C12-PCB 126	62	(30 - 140)
13C12-PCB 155	65	(30 - 140)
13C12-PCB 156	77 C	(30 - 140)
13C12-PCB 157	77 C	(30 - 140)
13C12-PCB 167	75	(30 - 140)
13C12-PCB 169	83	(30 - 140)
13C12-PCB 170	77	(30 - 140)
13C12-PCB 188	73	(30 - 140)
13C12-PCB 189	77	(30 - 140)
13C12-PCB 202	74	(30 - 140)
13C12-PCB 205	66	(30 - 140)
13C12-PCB 206	84	(30 - 140)
13C12-PCB 208	77	(30 - 140)
13C12-PCB 209	71	(30 - 140)

SURROGATEPERCENT RECOVERYRECOVERY LIMITS

13C12-PCB 28	71	(40 - 125)
13C12-PCB 111	77	(40 - 125)
13C12-PCB 178	72	(40 - 125)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

Sample Receipt Documentation

TestAmerica Pittsburgh

301 Alpha Drive RIDC Park

Pittsburgh, PA 15238

Phone (412) 963-7058 Fax (412) 963-2468

H3E29D40S
Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:	Lab PM: Colussy, Jill L	Carrier Tracking No(s):	COC No: 180-107409.1	
Client Contact: Shipping/Receiving	Phone:	E-Mail: jill.colussy@testamericainc.com			Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Analysis Requested				Job #: 180-21423-1
Address: 5815 Middlebrook Pike,	Due Date Requested: 6/20/2013	TAT Requested (days):	SUBCONTRACT/ TISSUE-PCB CONGENER BY 1668A-209		Preservation Codes:	
City: Knoxville					A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)
State, Zip: TN, 37921					Other:	
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:	WO #:				
Email:						Special Instructions/Note:
Project Name: 0055364, Devils Swamp	Project #: 18009365	SSOW#:				
Site:			Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Preservation Code
Sample Identification - Client ID (Lab ID)						
055364-T2-52013-FT-CRAWFISH-2(T) (180-21423-1)	5/20/13	12:00 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
055364-T2-52013-FT-CRAWFISH-2(0) (180-21423-2)	5/20/13	12:05 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
055364-T2-52013-FT-CRAWFISH-3(T) (180-21423-3)	5/20/13	12:10 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
055364-T2-52013-FT-CRAWFISH-3(0) (180-21423-4)	5/20/13	12:15 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
055364-T2-52013-FT-CRAWFISH-4(T) (180-21423-5)	5/20/13	12:20 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
055364-T2-52013-FT-CRAWFISH-4(0) (180-21423-6)	5/20/13	12:25 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
NO CUSTODY SEALS RECEIVED AT 0.8°C BFD 5-29-13 1 CODER FA X# 43426977 0345						
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed			<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:		Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:		Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:		Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks:				
		4	3	1	0	9
		8	7	6	5	4
		3	2	1	0	1

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H3E290405

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	/			<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other: 4A	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)	/			<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?		/		<input type="checkbox"/> 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?		/		<input checked="" type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?	/			<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	/			<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?		/		<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	/			<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary?		/		<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	/			<input type="checkbox"/> 10a Holding time expired	
11. For rad samples, was sample activity info. provided?		/		<input type="checkbox"/> Incomplete information	
12. For 1613B water samples is pH<9?		/		If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	/			<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	/			<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?	/			<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?	/			<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?	/			<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?	/			<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?		/		<input type="checkbox"/> 19a Other	
Quote #: 90633	PM Instructions:	NA			

Sample Receiving Associate: *Bryan Brown*

Date: 5-29-13

QA026R23.doc, 022812

H3E-260405
Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:	Lab PM: Colussy, Jill L.	Carrier Tracking No(s):	COC No: 180-110948.1											
Client Contact: Shipping/Receiving		Phone:	E-Mail: jill.colussy@testamericainc.com		Page: Page 1 of 1											
Company: TestAmerica Laboratories, Inc.					Job #: 180-21423-1											
Address: 5815 Middlebrook Pike,		Due Date Requested: 6/20/2013	Analysis Requested													
City: Knoxville		TAT Requested (days):														
State, Zip: TN, 37921																
Phone: 865-291-3000(Tel) 865-584-4315(Fax)		PO #:														
Email:		WO #:														
Project Name: 0055364, Devils Swamp		Project #: 18009365														
Site:		SSOW#:														
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil)	File#	Preservation Sample (Y/N)	Subcontract/Tissue-PCB CONGENER BY 1698A269	To whom or container	Special Instructions/Note:						
055364-T2-52013-FT-CRAWFISH-2(T) (180-21423-1)		5/20/13	12:00 Eastern	Tissue		X				includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge						
055364-T2-52013-FT-CRAWFISH-2(0) (180-21423-2)		5/20/13	12:05 Eastern	Tissue		X				includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge						
055364-T2-52013-FT-CRAWFISH-3(T) (180-21423-3)		5/20/13	12:10 Eastern	Tissue		X				includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge						
055364-T2-52013-FT-CRAWFISH-3(0) (180-21423-4)		5/20/13	12:15 Eastern	Tissue		X				includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge						
055364-T2-52013-FT-CRAWFISH-4(T) (180-21423-5)		5/20/13	12:20 Eastern	Tissue		X				includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge						
055364-T2-52013-FT-CRAWFISH-4(0) (180-21423-6)		5/20/13	12:25 Eastern	Tissue		X				includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge						
										1 cooler Read @ 0.2 ✓ without custody seal off 4/21/13						
										1 cooler ready # 56823718 8368						
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months														
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:														
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:												
Relinquished by: <i>Jill Colussy</i>		Date/Time: <i>10:00 AM</i>	Company: <i>PO</i>	Received by: <i>Jill Colussy</i>	Date/Time: <i>6/21/13 10:20</i>	Company: <i>TAKNOX</i>										
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:										
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:										
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:												
<input type="checkbox"/> Yes <input type="checkbox"/> No				14	13	12	11	10	9	8	7	6	5	4	3	2

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST
 Lot Number: H3E24D405

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other: <i>4A</i>	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)	✓			<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?		✓		<input type="checkbox"/> 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		<input checked="" type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?	✓			<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?		✓		<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668)		✓		<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			<input type="checkbox"/> 10a Holding time expired	
11. For rad samples, was sample activity info. provided?		✓		<input type="checkbox"/> 11a Incomplete information	
12. For 1613B water samples is pH<9?		✓		If no, was pH adjusted to pH 7 - 9 with sulfuric acid?	
13. Are the shipping containers intact?	✓			<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?	✓	✓		<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?				<input type="checkbox"/> 19a Other	
Quote #:				PM Instructions:	

Sample Receiving Associate: *George P. H. Cook*

Date: 6/21/13

QA026R24.doc, 060413



**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN OF CUSTODY RECORD

Address: 5551 Corporate Blvd, Ste 200, BL, LT 70808
Phone: (225) 292-9007 Fax:

COC NO.: 283,05

PAGE ONE

Gibbs Free Energy

(See Reverse Side for Instructions)

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY.

Distribution:

WHITE - Fully Executed Copy (CRA)

YELLOW—Receiving Laboratory Copy

PINK = Shinner

GOI DENBOD - Sampling Crew

CBA Form: COC-10B (20110804)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 180-21423-1

Login Number: 21423

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: O'Donnell, Brandon R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-21502-1

Client Project/Site: 0055364, Devils Swamp

Revision: 1

For:

Conestoga-Rovers & Associates, Inc.

9033 Meridian Way

West Chester, Ohio 45069

Attn: Deborah Brennan



Authorized for release by:

7/19/2013 6:14:27 PM

Jill Colussy, Project Manager I

jill.colussy@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Job ID: 180-21502-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 0055364, Devils Swamp

Report Number: 180-21502-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

NOTE

The sample identifications in this package have been revised as per the client.

RECEIPT

The samples were received on 05/23/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6 C.

GENERAL CHEMISTRY

No difficulties were encountered during the analyses.

SUBCONTRACTED WORK

Method TISSUE-PCB CONGENER BY 1668A-209: This method was subcontracted to TestAmerica Knoxville. The subcontract certification is different from those listed on the TestAmerica cover page of this final report.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
D	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13 *
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14
Illinois	NELAP	5	002602	06-30-13 *
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-16-16
Louisiana	NELAP	6	04041	06-30-13 *
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-14
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13 *

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pittsburgh

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-21502-1	055364-T2-052013-FT-CRAWFISH-5 (T)	Tissue	05/20/13 12:30	05/23/13 09:00
180-21502-2	055364-T2-052013-FT-CRAWFISH-5 (O)	Tissue	05/20/13 12:30	05/23/13 09:00
180-21502-3	055364-T2-052213-FT-CRAWFISH-6 (T)	Tissue	05/22/13 12:05	05/23/13 09:00
180-21502-4	055364-T2-052213-FT-CRAWFISH-6 (O)	Tissue	05/22/13 12:05	05/23/13 09:00
180-21502-5	055364-T2-052013-FT-CRAWFISH-7 (T)	Tissue	05/20/13 12:32	05/23/13 09:00
180-21502-6	055364-T2-052013-FT-CRAWFISH-7 (O)	Tissue	05/20/13 12:32	05/23/13 09:00
180-21502-7	055364-T2-052013-FT-CRAWFISH-8 (T)	Tissue	05/20/13 12:34	05/23/13 09:00
180-21502-8	055364-T2-052013-FT-CRAWFISH-8 (O)	Tissue	05/20/13 12:34	05/23/13 09:00
180-21502-9	055364-T2-052013-FT-CRAWFISH-9 (T)	Tissue	05/20/13 12:36	05/23/13 09:00
180-21502-10	055364-T2-052013-FT-CRAWFISH-9 (O)	Tissue	05/20/13 12:36	05/23/13 09:00
180-21502-11	055364-T2-052013-FT-CRAWFISH-10 (T)	Tissue	05/20/13 12:40	05/23/13 09:00
180-21502-12	055364-T2-052013-FT-CRAWFISH-10 (O)	Tissue	05/20/13 12:40	05/23/13 09:00

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Method	Method Description	Protocol	Laboratory
2540G	SM 2540G	SM22	TAL PIT
Lipids	Percent Lipids	TestAmerica SOP	TAL PIT

Protocol References:

SM22 = SM22

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-5 (T)

Lab Sample ID: 180-21502-1

Matrix: Tissue

Date Collected: 05/20/13 12:30

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-5 (O)

Lab Sample ID: 180-21502-2

Matrix: Tissue

Date Collected: 05/20/13 12:30

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-6 (T)

Lab Sample ID: 180-21502-3

Matrix: Tissue

Date Collected: 05/22/13 12:05

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-6 (O)

Lab Sample ID: 180-21502-4

Matrix: Tissue

Date Collected: 05/22/13 12:05

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-6 (O)

Lab Sample ID: 180-21502-4

Matrix: Tissue

Date Collected: 05/22/13 12:05

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-7 (T)

Lab Sample ID: 180-21502-5

Matrix: Tissue

Date Collected: 05/20/13 12:32

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-7 (O)

Lab Sample ID: 180-21502-6

Matrix: Tissue

Date Collected: 05/20/13 12:32

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-8 (T)

Lab Sample ID: 180-21502-7

Matrix: Tissue

Date Collected: 05/20/13 12:34

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.2 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-8 (O)

Lab Sample ID: 180-21502-8

Matrix: Tissue

Date Collected: 05/20/13 12:34

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-9 (T)

Lab Sample ID: 180-21502-9

Matrix: Tissue

Date Collected: 05/20/13 12:36

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.1 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-9 (O)

Lab Sample ID: 180-21502-10

Matrix: Tissue

Date Collected: 05/20/13 12:36

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-10 (T)

Lab Sample ID: 180-21502-11

Matrix: Tissue

Date Collected: 05/20/13 12:40

Date Received: 05/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-10 (T)

Date Collected: 05/20/13 12:40

Date Received: 05/23/13 09:00

Lab Sample ID: 180-21502-11

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT

Instrument ID: NOEQUIP

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-10 (O)

Date Collected: 05/20/13 12:40

Date Received: 05/23/13 09:00

Lab Sample ID: 180-21502-12

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					72913	05/24/13 11:40	LEM	TAL PIT
Total/NA	Cleanup	In House					72914	05/24/13 11:48	LEM	TAL PIT
Total/NA	Prep	3541			10.0 g	10.0 mL	73275	05/30/13 04:10	KLG	TAL PIT
Total/NA	Analysis	Lipids		1			73674	05/30/13 04:10	JWM	TAL PIT
Total/NA	Analysis	2540G		1			75179	06/18/13 16:25	CMR	TAL PIT

Instrument ID: NOEQUIP

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

LEM = Lauren McGrath

Batch Type: Prep

KLG = Kevin Geehring

Batch Type: Analysis

CMR = Carl Reagle

JWM = Jeremiah McLaughlin

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-5 (T)

Lab Sample ID: 180-21502-1

Date Collected: 05/20/13 12:30

Matrix: Tissue

Date Received: 05/23/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	83		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	0.097	J	0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-5 (O)

Lab Sample ID: 180-21502-2

Date Collected: 05/20/13 12:30

Matrix: Tissue

Date Received: 05/23/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	74		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	2.6		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-6 (T)

Lab Sample ID: 180-21502-3

Date Collected: 05/22/13 12:05

Matrix: Tissue

Date Received: 05/23/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	83		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	0.20		0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-6 (O)

Lab Sample ID: 180-21502-4

Date Collected: 05/22/13 12:05

Matrix: Tissue

Date Received: 05/23/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	76		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	3.1		0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-7 (T)

Lab Sample ID: 180-21502-5

Date Collected: 05/20/13 12:32

Matrix: Tissue

Date Received: 05/23/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	83		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	0.21		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-7 (O)

Lab Sample ID: 180-21502-6

Date Collected: 05/20/13 12:32

Matrix: Tissue

Date Received: 05/23/13 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	2.1		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-8 (T)

Lab Sample ID: 180-21502-7

Date Collected: 05/20/13 12:34
Date Received: 05/23/13 09:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	0.081	J	0.098	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-8 (O)

Lab Sample ID: 180-21502-8

Date Collected: 05/20/13 12:34
Date Received: 05/23/13 09:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	3.0		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-9 (T)

Lab Sample ID: 180-21502-9

Date Collected: 05/20/13 12:36
Date Received: 05/23/13 09:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	0.069	J	0.099	0.029	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-9 (O)

Lab Sample ID: 180-21502-10

Date Collected: 05/20/13 12:36
Date Received: 05/23/13 09:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	76		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	2.2		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-10 (T)

Lab Sample ID: 180-21502-11

Date Collected: 05/20/13 12:40
Date Received: 05/23/13 09:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	83		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	0.10		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-10 (O)

Lab Sample ID: 180-21502-12

Date Collected: 05/20/13 12:40
Date Received: 05/23/13 09:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/18/13 16:25	1
Percent Lipids	2.0		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

Method: 2540G - SM 2540G

Lab Sample ID: 180-21502-1 DU

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-5 (T)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75179

Analyte	Sample	Sample	DU	DU	D	RPD	Limit
	Result	Qualifier	Result	Qualifier			
Percent Moisture	83		83		%	0.6	20

Lab Sample ID: 180-21502-11 DU

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-10 (T)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75179

Analyte	Sample	Sample	DU	DU	D	RPD	Limit
	Result	Qualifier	Result	Qualifier			
Percent Moisture	83		83		%	0.005	20

Method: Lipids - Percent Lipids

Lab Sample ID: LB 180-72914/19-C LB

Client Sample ID: Method Blank

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 73275

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Percent Lipids	ND		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Lab Sample ID: MB 180-73275/1-A

Client Sample ID: Method Blank

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 73275

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Percent Lipids	ND		0.10	0.030	%		05/30/13 04:10	05/30/13 04:10	1

Lab Sample ID: LCS 180-73275/2-A

Client Sample ID: Lab Control Sample

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 73275

Analyte	Spike	LCS	LCS	D	%Rec.	Limits
	Added	Result	Qualifier	Unit		
Percent Lipids	9.09	6.67		%	73	30 - 150

Lab Sample ID: LCSD 180-73275/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 73275

Analyte	Spike	LCSD	LCSD	D	%Rec.	Limits	RPD	Limit
	Added	Result	Qualifier	Unit				
Percent Lipids	9.09	7.36		%	81	30 - 150	10	25

Lab Sample ID: 180-21502-2 DU

Client Sample ID: 055364-T2-052013-FT-CRAWFISH-5 (O)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 73275

Analyte	Sample	Sample	DU	DU	D	RPD	Limit
	Result	Qualifier	Result	Qualifier			
Percent Lipids	2.6		2.57		%	0.7	25

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

General Chemistry

Cleanup Batch: 72913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21502-1	055364-T2-052013-FT-CRAWFISH-5 (T)	Total/NA	Tissue	Frozen Storage	
180-21502-2	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	Frozen Storage	
180-21502-2 DU	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	Frozen Storage	
180-21502-3	055364-T2-052213-FT-CRAWFISH-6 (T)	Total/NA	Tissue	Frozen Storage	
180-21502-4	055364-T2-052213-FT-CRAWFISH-6 (O)	Total/NA	Tissue	Frozen Storage	
180-21502-5	055364-T2-052013-FT-CRAWFISH-7 (T)	Total/NA	Tissue	Frozen Storage	
180-21502-6	055364-T2-052013-FT-CRAWFISH-7 (O)	Total/NA	Tissue	Frozen Storage	
180-21502-7	055364-T2-052013-FT-CRAWFISH-8 (T)	Total/NA	Tissue	Frozen Storage	
180-21502-8	055364-T2-052013-FT-CRAWFISH-8 (O)	Total/NA	Tissue	Frozen Storage	
180-21502-9	055364-T2-052013-FT-CRAWFISH-9 (T)	Total/NA	Tissue	Frozen Storage	
180-21502-10	055364-T2-052013-FT-CRAWFISH-9 (O)	Total/NA	Tissue	Frozen Storage	
180-21502-11	055364-T2-052013-FT-CRAWFISH-10 (T)	Total/NA	Tissue	Frozen Storage	
180-21502-12	055364-T2-052013-FT-CRAWFISH-10 (O)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 72914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21502-1	055364-T2-052013-FT-CRAWFISH-5 (T)	Total/NA	Tissue	In House	72913
180-21502-2	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	In House	72913
180-21502-2 DU	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	In House	72913
180-21502-3	055364-T2-052213-FT-CRAWFISH-6 (T)	Total/NA	Tissue	In House	72913
180-21502-4	055364-T2-052213-FT-CRAWFISH-6 (O)	Total/NA	Tissue	In House	72913
180-21502-5	055364-T2-052013-FT-CRAWFISH-7 (T)	Total/NA	Tissue	In House	72913
180-21502-6	055364-T2-052013-FT-CRAWFISH-7 (O)	Total/NA	Tissue	In House	72913
180-21502-7	055364-T2-052013-FT-CRAWFISH-8 (T)	Total/NA	Tissue	In House	72913
180-21502-8	055364-T2-052013-FT-CRAWFISH-8 (O)	Total/NA	Tissue	In House	72913
180-21502-9	055364-T2-052013-FT-CRAWFISH-9 (T)	Total/NA	Tissue	In House	72913
180-21502-10	055364-T2-052013-FT-CRAWFISH-9 (O)	Total/NA	Tissue	In House	72913
180-21502-11	055364-T2-052013-FT-CRAWFISH-10 (T)	Total/NA	Tissue	In House	72913
180-21502-12	055364-T2-052013-FT-CRAWFISH-10 (O)	Total/NA	Tissue	In House	72913
LB 180-72914/19-C LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 73275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21502-1	055364-T2-052013-FT-CRAWFISH-5 (T)	Total/NA	Tissue	3541	72914
180-21502-2	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	3541	72914
180-21502-2 DU	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	3541	72914
180-21502-3	055364-T2-052213-FT-CRAWFISH-6 (T)	Total/NA	Tissue	3541	72914
180-21502-4	055364-T2-052213-FT-CRAWFISH-6 (O)	Total/NA	Tissue	3541	72914
180-21502-5	055364-T2-052013-FT-CRAWFISH-7 (T)	Total/NA	Tissue	3541	72914
180-21502-6	055364-T2-052013-FT-CRAWFISH-7 (O)	Total/NA	Tissue	3541	72914
180-21502-7	055364-T2-052013-FT-CRAWFISH-8 (T)	Total/NA	Tissue	3541	72914
180-21502-8	055364-T2-052013-FT-CRAWFISH-8 (O)	Total/NA	Tissue	3541	72914
180-21502-9	055364-T2-052013-FT-CRAWFISH-9 (T)	Total/NA	Tissue	3541	72914
180-21502-10	055364-T2-052013-FT-CRAWFISH-9 (O)	Total/NA	Tissue	3541	72914
180-21502-11	055364-T2-052013-FT-CRAWFISH-10 (T)	Total/NA	Tissue	3541	72914
180-21502-12	055364-T2-052013-FT-CRAWFISH-10 (O)	Total/NA	Tissue	3541	72914
LB 180-72914/19-C LB	Method Blank	Total/NA	Tissue	3541	72914
LCS 180-73275/2-A	Lab Control Sample	Total/NA	Tissue	3541	
LCSD 180-73275/3-A	Lab Control Sample Dup	Total/NA	Tissue	3541	
MB 180-73275/1-A	Method Blank	Total/NA	Tissue	3541	

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21502-1

General Chemistry (Continued)

Analysis Batch: 73674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21502-1	055364-T2-052013-FT-CRAWFISH-5 (T)	Total/NA	Tissue	Lipids	73275
180-21502-2	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	Lipids	73275
180-21502-2 DU	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	Lipids	73275
180-21502-3	055364-T2-052213-FT-CRAWFISH-6 (T)	Total/NA	Tissue	Lipids	73275
180-21502-4	055364-T2-052213-FT-CRAWFISH-6 (O)	Total/NA	Tissue	Lipids	73275
180-21502-5	055364-T2-052013-FT-CRAWFISH-7 (T)	Total/NA	Tissue	Lipids	73275
180-21502-6	055364-T2-052013-FT-CRAWFISH-7 (O)	Total/NA	Tissue	Lipids	73275
180-21502-7	055364-T2-052013-FT-CRAWFISH-8 (T)	Total/NA	Tissue	Lipids	73275
180-21502-8	055364-T2-052013-FT-CRAWFISH-8 (O)	Total/NA	Tissue	Lipids	73275
180-21502-9	055364-T2-052013-FT-CRAWFISH-9 (T)	Total/NA	Tissue	Lipids	73275
180-21502-10	055364-T2-052013-FT-CRAWFISH-9 (O)	Total/NA	Tissue	Lipids	73275
180-21502-11	055364-T2-052013-FT-CRAWFISH-10 (T)	Total/NA	Tissue	Lipids	73275
180-21502-12	055364-T2-052013-FT-CRAWFISH-10 (O)	Total/NA	Tissue	Lipids	73275
LB 180-72914/19-C LB	Method Blank	Total/NA	Tissue	Lipids	73275
LCS 180-73275/2-A	Lab Control Sample	Total/NA	Tissue	Lipids	73275
LCSD 180-73275/3-A	Lab Control Sample Dup	Total/NA	Tissue	Lipids	73275
MB 180-73275/1-A	Method Blank	Total/NA	Tissue	Lipids	73275

Analysis Batch: 75179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21502-1	055364-T2-052013-FT-CRAWFISH-5 (T)	Total/NA	Tissue	2540G	14
180-21502-1 DU	055364-T2-052013-FT-CRAWFISH-5 (T)	Total/NA	Tissue	2540G	
180-21502-2	055364-T2-052013-FT-CRAWFISH-5 (O)	Total/NA	Tissue	2540G	
180-21502-3	055364-T2-052213-FT-CRAWFISH-6 (T)	Total/NA	Tissue	2540G	
180-21502-4	055364-T2-052213-FT-CRAWFISH-6 (O)	Total/NA	Tissue	2540G	
180-21502-5	055364-T2-052013-FT-CRAWFISH-7 (T)	Total/NA	Tissue	2540G	
180-21502-6	055364-T2-052013-FT-CRAWFISH-7 (O)	Total/NA	Tissue	2540G	
180-21502-7	055364-T2-052013-FT-CRAWFISH-8 (T)	Total/NA	Tissue	2540G	
180-21502-8	055364-T2-052013-FT-CRAWFISH-8 (O)	Total/NA	Tissue	2540G	
180-21502-9	055364-T2-052013-FT-CRAWFISH-9 (T)	Total/NA	Tissue	2540G	
180-21502-10	055364-T2-052013-FT-CRAWFISH-9 (O)	Total/NA	Tissue	2540G	
180-21502-11	055364-T2-052013-FT-CRAWFISH-10 (T)	Total/NA	Tissue	2540G	
180-21502-11 DU	055364-T2-052013-FT-CRAWFISH-10 (T)	Total/NA	Tissue	2540G	
180-21502-12	055364-T2-052013-FT-CRAWFISH-10 (O)	Total/NA	Tissue	2540G	

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Sample Receipt Documentation	121
Total Number of Pages	127

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 180-21502-1

Devil's Swamp

Lot #: H3E290404

Jill Colussy

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

TESTAMERICA LABORATORIES, INC.



Bruce Wagner
Project Manager

July 2, 2013

ANALYTICAL METHODS SUMMARY

H3E290404

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
PCBs, HRGC/HRMS	EPA-22 1668A
References:	
EPA-22 "METHOD 1668, REVISION A: CHLORINATED BIPHENYL CONGENERS IN WATER, SOIL, SEDIMENT, AND TISSUE BY HRGC/HRMS" EPA-821-R-00-002 12/99	

SAMPLE SUMMARY

H3E290404

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
M00GM	001	055364-T2-052013-FT-CRAWFISH-5 (T)	05/20/13	12:30
M00GN	002	055364-T2-052013-FT-CRAWFISH-5 (O)	05/20/13	12:30
M00GP	003	055364-T2-052013-FT-CRAWFISH-6 (T)	05/22/13	12:05
M00GQ	004	055364-T2-052013-FT-CRAWFISH-6 (O)	05/22/13	12:05
M00GR	005	055364-T2-052013-FT-CRAWFISH-7 (T)	05/20/13	12:32
M00GT	006	055364-T2-052013-FT-CRAWFISH-7 (O)	05/20/13	12:32
M00GV	007	055364-T2-052013-FT-CRAWFISH-8 (T)	05/20/13	12:34
M00GW	008	055364-T2-052013-FT-CRAWFISH-8 (O)	05/20/13	12:34
M00GX	009	055364-T2-052013-FT-CRAWFISH-9 (T)	05/20/13	12:36
M00GO	010	055364-T2-052013-FT-CRAWFISH-9 (O)	05/20/13	12:36
M00G1	011	055364-T2-052013-FT-CRAWFISH-10 (T)	05/20/13	12:40
M00G2	012	055364-T2-052013-FT-CRAWFISH-10 (O)	05/20/13	12:40

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE

H3E290404

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

Samples 055364-T2-052013-FT-CRAWFISH-6(O) and 055364-T2-FT-CRAWFISH-7(T) exhibited PCBs 5,9,10 and PCB 10, respectively with estimated detection limits (EDLs) in excess of the minimum level (ML). Sample matrix was the root cause.

All samples were diluted 2-fold due to severe matrix interferences which caused retention time shifting.

Nomenclature – The standardization strategy described in this report uses the naming convention of SW-846 Method 8290. This convention differs from Method 1668 in the following manner:

Standard Addition Occurs Prior to:	Method 1668	SW-846 Conventions Used in this Report
Sampling	None	Sampling Surrogate
Extraction	Labeled Toxics/LOC/Window Defining	Internal Standard
Cleanups	Labeled Cleanup Standard	Cleanup Standard*
Injection	Labeled Injection Internal Standard	Recovery Standard

* Cleanup Standard is also referred to as Surrogate Standard on report.

The shorthand notation used for congeners in this report is summarized in Table 2.

Qualifiers – The following flags are used to qualify results for HRMS PCB results:

J – The reported result is an estimate. The amount reported is below the Estimated

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Minimum Level (EML). EML is defined by the method as the lowest concentration at which an analyte can be measured reliably with common laboratory interferences present. This value has been determined for each congener by MDL and laboratory method blank studies. The value is adjusted to reflect sample specific initial and final volumes.

E – The reported result is an estimate. The amount reported is above the UCL described below.

The E qualifier is applied on the basis of the **Upper Calibration Level (UCL)**. The quantitative definition of the UCL is listed below:

Upper Calibration Level: The concentration or mass of analyte in the sample that corresponds to the highest calibration level in the initial calibration. It is equivalent to the concentration of the highest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

B – The analyte is present in the associated method blank at a reportable level. For this analysis, there is no method specified reporting level, other than the qualitative criterion that peaks must exhibit a signal-to-noise ratio of 2.5-to-1. Therefore, the presence of any amount of the analyte present in the blank will result a B qualifier on all associated samples.

Note: Some laboratories do not report contamination in the blank unless it is above their lower calibration limit, or an established percentage of the level in the samples, or an established percentage of the regulatory limit. Likewise, some laboratories set a reporting limit at one half the lower calibration limit.

Q – Estimated maximum possible concentration. This qualifier is used when the result is generated from chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method. The criteria include the following areas:

- Ion abundance ratios must be within specified limits (+/-15% of theoretical ion abundance ratio.)
- Retention time criteria (relative to the method-specified isotope labeled retention time standard).
- Co-maximization criterion. The two quantitation ion peaks must reach their maxima within 2 seconds of each other.

S – Ion suppression evident. The trace indicating the signal from the lock mass of the calibration compound shows a deflection at the retention time of the analyte. This may indicate a temporary suppression of the instrument sensitivity, due to a matrix-borne interference.

C – Coeluting Isomer. The isomer is known to coelute with another member of its homologue group, or the peak shape is shouldered, indicating the likelihood of a coeluting isomer. When the C flag is followed by a number, the number indicates the lowest numbered congener among the coelution set. For example, if 100 pg/L is detected at the retention time of PCB 156, and PCB 157 is known to coelute with PCB 156, the results will be flagged as follows:

PCB 156 100 pg/L C

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PCB 157 100 pg/L C156

In certain electronic deliverables the result field for PCB 157 will be null, with "C156" appearing in the qualifier field in accordance with the CARP EDD specification.

X – Other. See explanation in narrative.

Results – The results for the analyses are summarized in the following pages. Please see comments regarding qualifiers, above. Additional information regarding qualifiers is explained in the legends at the end of each result summary. A summary of the shorthand conventions used in this report is provided in Table 2.

Detection Limits – For all analyte results a sample specific detection limit is calculated for that analyte. This is done by first determining the GC/MS peak height of the noise or interferent in the expected region of the analyte signal. This value is multiplied by the number 2.5, which serves as a safety factor. The 2.5 safety factor is disregarded if the noise present in the analyte region is a result of chemical interferences. The resulting signal response value is then used to estimate the minimum detectable analyte amount. The result is the estimated sample detection limit.

When an analyte is not detected, an ND appears in place of the result. The value in the detection limit column is the estimated detection limit for the analyte in that particular sample.

EXAMPLE CALCULATIONS

The following formulas were used for sample calculations. Examples are given for calculating the percent recovery for internal standard $^{13}\text{C}_{12}$ -PCB 1, the concentration of native PCB 1 and the EDL for PCB 1. All values used in the calculations below are typical (i.e. not extracted from a particular sample). Actual values are found on the IsoCalc Preliminary Sample Report (IPSR) at the position indicated (in parentheses, below):

INTERNAL STANDARD RECOVERY ($^{13}\text{C}_{12}$ -PCB 1)

$$\text{Percent Recovery} = \frac{\Sigma A_{IS} \cdot W_{RS} \cdot 100\%}{\Sigma A_{RS} \cdot W_{IS} \cdot RRF}$$

ΣA_{IS} = Sum of areas for the Internal Standard quantitation ions. (IPSR – Column "Area", Row "13C12-PCB 1")

W_{RS} = Mass in ng of the Recovery Standard. (IPSR – Column "Std Amt", Row "13C12-PCB 9")

ΣA_{RS} = Sum of areas for the Recovery Standard quantitation ions. (IPSR – Column "Area", Row "13C12-PCB 9")

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column "Std Amt", Row "13C12-PCB 1")

RRF = Internal Standard mean relative response factor from the initial multipoint calibration. (IPSR - Column "RF", Row "13C12-PCB 1".)

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$$\frac{1106275 \bullet 2.000 \text{ (ng)} \bullet 100\%}{1205581 \bullet 2.000 \text{ (ng)} \bullet 1.412} = 65\% \text{ Recovery}$$

NATIVE ANALYTE QUANTITATION (PCB 1)

$$\text{Conc} = \frac{\Sigma A_X \bullet W_{IS}}{\Sigma A_{IS} \bullet V \bullet 0.001 \text{ (mL/L)} \bullet RRF}$$

ΣA_X = Sum of areas for analyte quantitation ions. (IPSR – Area Column “Area”, Row “PCB 1”)

W_{IS} = Mass in ng of Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”)

ΣA_{IS} = Sum areas for the Internal Standard. (IPSR – Column “Area”, Row 13C12-PCB 1)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row “Initial Wt/Vol”)

RRF = Native analyte mean relative response factor from the initial calibration, or daily response factor as appropriate. (IPSR – Column “RF”, Row “PCB 1”)

$$\frac{8951 \bullet 2.000 \text{ (ng)}}{\text{Substituting typical values, } 1106275 \bullet 2200 \text{ (mL)} \bullet 0.001 \text{ (mL/L)} \bullet 1.136} = 0.00647 \text{ ng/L} = 6.47 \text{ pg/L}$$

CALCULATION OF SAMPLE SPECIFIC ESTIMATED DETECTION LIMIT

This calculation uses the noise values found on the IsoCalc Preliminary Peak Report (IPPR), which follows the IPSR. All the other values used in the equation are found on the IPSR.)

$$\frac{\Sigma I_X \bullet W_{IS} \bullet T_{SN}}{\Sigma I_{IS} \bullet V \bullet 0.001 \text{ (mL/L)} \bullet RRF}$$

ΣI_X = Sum of the intensities of the noise levels of the characteristic ions in the region of analyte elution. (IPPR – Columns “Height1” and “Height2”, Row {mass} 188, Sub-Row “Noise”).

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column “Std Amt”, Row “13C12-PCB 1”).

T_{SN} = Minimum Signal-to-Noise threshold. = 2.5. A constant, specified by the method.

ΣI_{IS} = Intensity of the corresponding ^{13}C ions. (IPSR – Column “Height”, Row “13C12-PCB 9”)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row “Initial Wt/Vol”)

RRF = Native analyte mean relative response factor from the initial calibration or daily standard as appropriate. (IPSR – Column “RF”, Row “PCB 1”)

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$$79 \bullet 2000 \text{ (pg)} \bullet 2.5$$

Substituting typical values $\frac{79 \bullet 2000 \text{ (pg)} \bullet 2.5}{334600 \bullet 2200 \text{ (mL)} \bullet 0.001 \text{ (mL/L)} \bullet 1.136} = 0.466 \text{ pg/L}$

In sample data, peaks must have an intensity of 2.5 times the height of the background noise in order to be considered. Careful examination of the two equations above, and a bit of algebra reveals that for the concentration of the smallest peak detectable (per the EDL equation) to exactly equal the smallest peaks that are calculated, requires that the average height to area ratio obtained during the calibration must equal the area to height ratio for every peak obtained near 2.5 times the noise. When the area to height ratio on a peak in a sample is less than the average obtained during calibration, the calculated result will correspond to a peak that would have been less than 2.5 X the noise on the calibration. This is the result of normal variability. Because the source method for the EDL (EPA 1668) does not provide for censoring of results by any other magnitude standard than being 2.5 times the noise, the laboratory does not censor at the calculated EDL. Hence, detections may be reported below the estimated detection limits.

Table 1
Concentration of PCBs in Calibration Solutions

Analyte Type	BZ/IUPAC ¹	CS 0.5 ng/mL	CS 1 ng/mL	CS 2 ng/mL	CS 3 ² ng/mL	CS 4 ng/mL	CS 5 ng/mL
Congeners							
2-MoCB	1	0.5	1.0	5.0	50	400	2000
4-MoCB	3	0.5	1.0	5.0	50	400	2000
2,2'-DiCB	4	0.5	1.0	5.0	50	400	2000
4,4'-DiCB	15	0.5	1.0	5.0	50	400	2000
2,2',6'-TrCB	19	0.5	1.0	5.0	50	400	2000
3,4,4'-TrCB	37	0.5	1.0	5.0	50	400	2000
2,2',6,6'-TeCB	54	0.5	1.0	5.0	50	400	2000
3,3',4,4'-TeCB	77	0.5	1.0	5.0	50	400	2000
3,4,4',5-TeCB	81	0.5	1.0	5.0	50	400	2000
2,2',4,6,6'-PeCB	104	0.5	1.0	5.0	50	400	2000
2,3,3',4,4'-PeCB	105	0.5	1.0	5.0	50	400	2000
2,3,4,4',5-PeCB	114	0.5	1.0	5.0	50	400	2000
2,3',4,4',5-PeCB	118	0.5	1.0	5.0	50	400	2000
2,3,4,4',5-PeCB	123	0.5	1.0	5.0	50	400	2000
3,3',4,4',5-PeCB	126	0.5	1.0	5.0	50	400	2000
2,2',4,4',6,6'-HxCB	155	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5-HxCB	156	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5'-HxCB	157	0.5	1.0	5.0	50	400	2000
2,3',4,4',5,5'-HxCB	167	0.5	1.0	5.0	50	400	2000
3,3',4,4',5,5'-HxCB	169	0.5	1.0	5.0	50	400	2000
2,2',3,4',5,6,6'-HpCB	188	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5'-HpCB	189	0.5	1.0	5.0	50	400	2000
2,2',3,3',5,5',6,6'-OcCB	202	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5',6-OcCB	205	0.5	1.0	5.0	50	400	2000
2,2',3,3',4,4',5,5',6-NoCB	206	0.5	1.0	5.0	50	400	2000
2,2',3,3',4',5,5',6,6'-NoCB	208	0.5	1.0	5.0	50	400	2000
DeCB	209	0.5	1.0	5.0	50	400	2000
All other CB congeners		0.5	1.0	5.0	50	400	2000
Labeled Congeners							
¹³ C ₁₂ -2-MoCB	1L	100	100	100	100	100	100
¹³ C ₁₂ -4-MoCB	3L	100	100	100	100	100	100
¹³ C ₁₂ -2,2'-DiCB	4L	100	100	100	100	100	100

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Table 1

Concentration of PCBs in Calibration Solutions

	BZ/IUPAC ¹	CS 0.5 ng/mL	CS 1 ng/mL	CS 2 ng/mL	CS 3 ² ng/mL	CS 4 ng/mL	CS 5 ng/mL
Analyte Type							
¹³ C ₁₂ -4,4'-DiCB	15L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',6-TrCB	19L	100	100	100	100	100	100
¹³ C ₁₂ -3,4,4'-TrCB	37L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',6,6'-TeCB	54L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	100	100	100	100	100	100
¹³ C ₁₂ -3,4,4',5-TeCB	81L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4,6,6'-PeCB	104L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,4,4',5-PeCB	114L	100	100	100	100	100	100
¹³ C ₁₂ -2,3',4,4',5-PeCB	118L	100	100	100	100	100	100
¹³ C ₁₂ -2',3,4,4',5-PeCB	123L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4',5-PeCB	126L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4,4',6,6'-HxCB	155L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5-HxCB	156L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	100	100	100	100	100	100
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5-HpCB	170L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,4',5,6,6'-HpCB	188L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',5,5',6,6'-OcCB	202L	100	100	100	100	100	100
¹³ C ₁₂ -2,3,3',4,4',5,5',6-OcCB	205L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5',6-NoCB	206L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,5,5',6,6'-NoCB	208L	100	100	100	100	100	100
¹³ C ₁₂ -DeCB	209L	100	100	100	100	100	100
Cleanup Standards							
¹³ C ₁₂ -2,4,4'-TriCB	28L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',3,3',5,5',6-HpCB	178L	0.5	1.0	5.0	50	400	--
Recovery Standards							
¹³ C ₁₂ -2,5-DiCB	9L	100	100	100	100	100	100
¹³ C ₁₂ -2,4',5-TriCB	31L	100	100	100	100	100	100
¹³ C ₁₂ -2,4',6-TriCB	32L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',5,5'-TeCB	52L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',4',5,5'-PeCB	101L	100	100	100	100	100	100
¹³ C ₁₂ -3,3',4,5,5'-PeCB	127L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3',4,4',5'-HxCB	138L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,4,4',5,5'-HpCB	180L	100	100	100	100	100	100
¹³ C ₁₂ -2,2',3,3',4,4',5,5'-OcCB	194L	100	100	100	100	100	100
Labeled Sampling Surrogates							
¹³ C ₁₂ -2,4'-DiCB	8L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -3,3',4,5'-TeCB	79L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',3,5',6-PeCB	95L	0.5	1.0	5.0	50	400	--
¹³ C ₁₂ -2,2',4,4',5,5'-HxCB	153L	0.5	1.0	5.0	50	400	--

1. Suffix "L" indicates labeled compound.

2. Calibration verification solution.

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
1	2-monochlorobiphenyl	2051-60-7	106	2,3,3',4,5-pentachlorobiphenyl	70424-69-0
2	3-monochlorobiphenyl	2051-61-8	107/109	2,3,3',4',5-pentachlorobiphenyl	70424-68-9
3	4-monochlorobiphenyl	2051-62-9	108/107	2,3,3',4,5'-pentachlorobiphenyl	70362-41-3
4	2,2'-dichlorobiphenyl	13029-08-8	109/108	2,3,3',4,6-pentachlorobiphenyl	74472-35-8
5	2,3-dichlorobiphenyl	16605-91-7	110	2,3,3',4',6-pentachlorobiphenyl	38380-03-9
6	2,3'-dichlorobiphenyl	25569-80-6	111	2,3,3',5,5'-pentachlorobiphenyl	39635-32-0
7	2,4-dichlorobiphenyl	33284-50-3	112	2,3,3',5,6-pentachlorobiphenyl	74472-36-9
8	2,4'-dichlorobiphenyl	34883-43-7	113	2,3,3',5',6-pentachlorobiphenyl	68194-10-5
9	2,5-dichlorobiphenyl	34883-39-1	114	2,3,4,4',5-pentachlorobiphenyl	74472-37-0
10	2,6-dichlorobiphenyl	33146-45-1	115	2,3,4,4',6-pentachlorobiphenyl	74472-38-1
11	3,3'-dichlorobiphenyl	2050-67-1	116	2,3,4,5,6-pentachlorobiphenyl	18259-05-7
12	3,4-dichlorobiphenyl	2974-92-7	117	2,3,4',5,6-pentachlorobiphenyl	68194-11-6
13	3,4'-dichlorobiphenyl	2974-90-5	118	2,3',4,4',5-pentachlorobiphenyl	31508-00-6
14	3,5-dichlorobiphenyl	34883-41-5	119	2,3',4,4',6-pentachlorobiphenyl	56558-17-9
15	4,4'-dichlorobiphenyl	2050-68-2	120	2,3',4,5,5'-pentachlorobiphenyl	68194-12-7
16	2,2',3-trichlorobiphenyl	38444-78-9	121	2,3',4,5',6-pentachlorobiphenyl	56558-18-0
17	2,2',4-trichlorobiphenyl	37680-66-3	122	2',3,3',4,5-pentachlorobiphenyl (2,3,3',4',5'-pentachlorobiphenyl)	76842-07-4
18	2,2',5-trichlorobiphenyl	37680-65-2	123	2',3,4,4',5-pentachlorobiphenyl (2,3',4,4',5'-pentachlorobiphenyl)	65510-44-3
19	2,2',6-trichlorobiphenyl	38444-73-4	124	2',3,4,5,5'-pentachlorobiphenyl (2,3',4',5',5'-pentachlorobiphenyl)	70424-70-3
20	2,3,3'-trichlorobiphenyl	38444-84-7	125	2',3,4,5,6-pentachlorobiphenyl (2,3',4',5',6-pentachlorobiphenyl)	74472-39-2
21	2,3,4-trichlorobiphenyl	55702-46-0	126	3,3',4,4',5-pentachlorobiphenyl	57465-28-8
22	2,3,4'-trichlorobiphenyl	38444-85-8	127	3,3',4,5,5'-pentachlorobiphenyl	39635-33-1
23	2,3,5-trichlorobiphenyl	55720-44-0	128	2,2',3,3',4,4'-hexachlorobiphenyl	38380-07-3
24	2,3,6-trichlorobiphenyl	55702-45-9	129	2,2',3,3',4,5-hexachlorobiphenyl	55215-18-4
25	2,3',4-trichlorobiphenyl	55712-37-3	130	2,2',3,3',4,5'-hexachlorobiphenyl	52663-66-8
26	2,3',5-trichlorobiphenyl	38444-81-4	131	2,2',3,3',4,6-hexachlorobiphenyl	61798-70-7
27	2,3',6-trichlorobiphenyl	38444-76-7	132	2,2',3,3',4,6'-hexachlorobiphenyl	38380-05-1
28	2,4,4'-trichlorobiphenyl	7012-37-5	133	2,2',3,3',5,5'-hexachlorobiphenyl	35694-04-3
29	2,4,5-trichlorobiphenyl	15862-07-4	134	2,2',3,3',5,6-hexachlorobiphenyl	52704-70-8
30	2,4,6-trichlorobiphenyl	35693-92-6	135	2,2',3,3',5,6'-hexachlorobiphenyl	52744-13-5
31	2,4',5-trichlorobiphenyl	16606-02-3	136	2,2',3,3',6,6'-hexachlorobiphenyl	38411-22-2
32	2,4',6-trichlorobiphenyl	38444-77-8	137	2,2',3,4,4',5-hexachlorobiphenyl	35694-06-5
33	2',3,4-trichlorobiphenyl (2,3',4'-trichlorobiphenyl)	38444-86-9	138	2,2',3,4,4',5'-hexachlorobiphenyl	35065-28-2
34	2',3,5-trichlorobiphenyl (2,3',5'-trichlorobiphenyl)	37680-68-5	139	2,2',3,4,4',6-hexachlorobiphenyl	56030-56-9
35	3,3',4-trichlorobiphenyl	37680-69-6	140	2,2',3,4,4',6'-hexachlorobiphenyl	59291-64-4
36	3,3',5-trichlorobiphenyl	38444-87-0	141	2,2',3,4,5,5'-hexachlorobiphenyl	52712-04-6
37	3,4,4'-trichlorobiphenyl	38444-90-5	142	2,2',3,4,5,6-hexachlorobiphenyl	41411-61-4
38	3,4,5-trichlorobiphenyl	53555-66-1	143	2,2',3,4,5,6'-hexachlorobiphenyl	68194-15-0
39	3,4',5-trichlorobiphenyl	38444-88-1	144	2,2',3,4,5',6-hexachlorobiphenyl	68194-14-9
40	2,2',3,3'-tetrachlorobiphenyl	38444-93-8	145	2,2',3,4,6,6'-hexachlorobiphenyl	74472-40-5
41	2,2',3,4-tetrachlorobiphenyl	52663-59-9	146	2,2',3,4',5,5'-hexachlorobiphenyl	51908-16-8
42	2,2',3,4'-tetrachlorobiphenyl	36559-22-5	147	2,2',3,4',5,6-hexachlorobiphenyl	68194-13-8
43	2,2',3,5-tetrachlorobiphenyl	70362-46-8	148	2,2',3,4',5,6'-hexachlorobiphenyl	74472-41-6
44	2,2',3,5'-tetrachlorobiphenyl	41464-39-5	149	2,2',3,4',5',6-hexachlorobiphenyl	38380-04-0
45	2,2',3,6-tetrachlorobiphenyl	70362-45-7	150	2,2',3,4',6,6'-hexachlorobiphenyl	68194-08-1

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Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹	PCB Chemical Structure Name ²	CAS Registry ³ Number
46	2,2',3,6'-tetrachlorobiphenyl	41464-47-5	151	2,2',3,5,5',6-hexachlorobiphenyl	52663-63-5
47	2,2',4,4'-tetrachlorobiphenyl	2437-79-8	152	2,2',3,5,6,6'-hexachlorobiphenyl	68194-09-2
48	2,2',4,5-tetrachlorobiphenyl	70362-47-9	153	2,2',4,4',5,5'-hexachlorobiphenyl	35065-27-1
49	2,2',4,5'-tetrachlorobiphenyl	41464-40-8	154	2,2',4,4',5,6'-hexachlorobiphenyl	60145-22-4
50	2,2',4,6-tetrachlorobiphenyl	62796-65-0	155	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2
51	2,2',4,6'-tetrachlorobiphenyl	68194-04-7	156	2,3,3',4,4',5-hexachlorobiphenyl	38380-08-4
52	2,2',5,5'-tetrachlorobiphenyl	35693-99-3	157	2,3,3',4,4',5'-hexachlorobiphenyl	69782-90-7
53	2,2',5,6'-tetrachlorobiphenyl	41464-41-9	158	2,3,3',4,4',6-hexachlorobiphenyl	74472-42-7
54	2,2',6,6'-tetrachlorobiphenyl	15968-05-5	159	2,3,3',4,5,5'-hexachlorobiphenyl	39635-35-3
55	2,3,3',4-tetrachlorobiphenyl	74338-24-2	160	2,3,3',4,5,6-hexachlorobiphenyl	41411-62-5
56	2,3,3',4'-tetrachlorobiphenyl	41464-43-1	161	2,3,3',4,5,6-hexachlorobiphenyl	74472-43-8
57	2,3,3',5-tetrachlorobiphenyl	70424-67-8	162	2,3,3',4,5,5'-hexachlorobiphenyl	39635-34-2
58	2,3,3',5'-tetrachlorobiphenyl	41464-49-7	163	2,3,3',4',5,6-hexachlorobiphenyl	74472-44-9
59	2,3,3',6-tetrachlorobiphenyl	74472-33-6	164	2,3,3',4',5',6-hexachlorobiphenyl	74472-45-0
60	2,3,4,4'-tetrachlorobiphenyl	33025-41-1	165	2,3,3',5,5',6-hexachlorobiphenyl	74472-46-1
61	2,3,4,5-tetrachlorobiphenyl	33284-53-6	166	2,3,4,4',5,6-hexachlorobiphenyl	41411-63-6
62	2,3,4,6-tetrachlorobiphenyl	54230-22-7	167	2,3',4,4',5,5'-hexachlorobiphenyl	52663-72-6
63	2,3,4',5-tetrachlorobiphenyl	74472-34-7	168	2,3',4,4',5',6-hexachlorobiphenyl	59291-65-5
64	2,3,4',6-tetrachlorobiphenyl	52663-58-8	169	3,3',4,4',5,5'-hexachlorobiphenyl	32774-16-6
65	2,3,5,6-tetrachlorobiphenyl	33284-54-7	170	2,2',3,3',4,4',5-heptachlorobiphenyl	35065-30-6
66	2,3',4,4'-tetrachlorobiphenyl	32598-10-0	171	2,2',3,3',4,4',6-heptachlorobiphenyl	52663-71-5
67	2,3',4,5-tetrachlorobiphenyl	73575-53-8	172	2,2',3,3',4,5,5'-heptachlorobiphenyl	52663-74-8
68	2,3',4,5'-tetrachlorobiphenyl	73575-52-7	173	2,2',3,3',4,5,6-heptachlorobiphenyl	68194-16-1
69	2,3',4,6-tetrachlorobiphenyl	60233-24-1	174	2,2',3,3',4,5,6'-heptachlorobiphenyl	38411-25-5
70	2,3',4',5-tetrachlorobiphenyl	32598-11-1	175	2,2',3,3',4,5',6-heptachlorobiphenyl	40186-70-7
71	2,3',4',6-tetrachlorobiphenyl	41464-46-4	176	2,2',3,3',4,6,6'-heptachlorobiphenyl	52663-65-7
72	2,3',5,5'-tetrachlorobiphenyl	41464-42-0	177	2,2',3,3',4',5,6-heptachlorobiphenyl (2,2',3,3',4,5',6'-heptachlorobiphenyl)	52663-70-4
73	2,3',5',6-tetrachlorobiphenyl	74338-23-1	178	2,2',3,3',5,5',6-heptachlorobiphenyl	52663-67-9
74	2,4,4',5-tetrachlorobiphenyl	32690-93-0	179	2,2',3,3',5,6,6'-heptachlorobiphenyl	52663-64-6
75	2,4,4',6-tetrachlorobiphenyl	32598-12-2	180	2,2',3,4,4',5,5'-heptachlorobiphenyl	35065-29-3
76	2',3,4,5-tetrachlorobiphenyl (2,3',4',5'-tetrachlorobiphenyl)	70362-48-0	181	2,2',3,4,4',5,6-heptachlorobiphenyl	74472-47-2
77	3,3',4,4'-tetrachlorobiphenyl	32598-13-3	182	2,2',3,4,4',5,6-heptachlorobiphenyl	60145-23-5
78	3,3',4,5-tetrachlorobiphenyl	70362-49-1	183	2,2',3,4,4',5',6-heptachlorobiphenyl	52663-69-1
79	3,3',4,5'-tetrachlorobiphenyl	41464-48-6	184	2,2',3,4,4',6,6'-heptachlorobiphenyl	74472-48-3
80	3,3',5,5'-tetrachlorobiphenyl	33284-52-5	185	2,2',3,4,5,5',6-heptachlorobiphenyl	52712-05-7
81	3,4,4',5-tetrachlorobiphenyl	70362-50-4	186	2,2',3,4,5,6,6'-heptachlorobiphenyl	74472-49-4
82	2,2',3,3',4-pentachlorobiphenyl	52663-62-4	187	2,2',3,4',5,5',6-heptachlorobiphenyl	52663-68-0
83	2,2',3,3',5-pentachlorobiphenyl	60145-20-2	188	2,2',3,4',5,6,6'-heptachlorobiphenyl	74487-85-7
84	2,2',3,3',6-pentachlorobiphenyl	52663-60-2	189	2,3,3',4,4',5,5'-heptachlorobiphenyl	39635-31-9
85	2,2',3,4,4'-pentachlorobiphenyl	65510-45-4	190	2,3,3',4,4',5,6-heptachlorobiphenyl	41411-64-7
86	2,2',3,4,5-pentachlorobiphenyl	55312-69-1	191	2,3,3',4,4',5',6-heptachlorobiphenyl	74472-50-7
87	2,2',3,4,5'-pentachlorobiphenyl	38380-02-8	192	2,3,3',4,5,5',6-heptachlorobiphenyl	74472-51-8
88	2,2',3,4,6-pentachlorobiphenyl	55215-17-3	193	2,3,3',4,5,5',6-heptachlorobiphenyl	69782-91-8
89	2,2',3,4,6'-pentachlorobiphenyl	73575-57-2	194	2,2',3,3',4,4',5,5'-octachlorobiphenyl	35694-08-7
90	2,2',3,4',5-pentachlorobiphenyl	68194-07-0	195	2,2',3,3',4,4',5,6-octachlorobiphenyl	52663-78-2
91	2,2',3,4',6-pentachlorobiphenyl	68194-05-8	196	2,2',3,3',4,4',5,6'-octachlorobiphenyl	42740-50-1
92	2,2',3,5,5'-pentachlorobiphenyl	52663-61-3	197	2,2',3,3',4,4',6,6'-octachlorobiphenyl	33091-17-7

PROJECT NARRATIVE

H3E290404

Table 2

PCB Shorthand Nomenclature⁴ Used in this Report

BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number	BZ/IUPAC Number ¹ .	PCB Chemical Structure Name ²	CAS Registry ³ Number
93	2,2',3,5,6-pentachlorobiphenyl	73575-56-1	198	2,2',3,3',4,5,5',6-octachlorobiphenyl	68194-17-2
94	2,2',3,5,6'-pentachlorobiphenyl	73575-55-0	199/200	2,2',3,3',4,5,6,6'-octachlorobiphenyl	52663-73-7
95	2,2',3,5',6-pentachlorobiphenyl	38379-99-6	200/201	2,2',3,3',4,5',6,6'-octachlorobiphenyl	40186-71-8
96	2,2',3,6,6'-pentachlorobiphenyl	73575-54-9	201/199	2,2',3,3',4,5,5',6'-octachlorobiphenyl	52663-75-9
97	2,2',3',4,5-pentachlorobiphenyl (2,2',3,4',5'-pentachlorobiphenyl)	41464-51-1	202	2,2',3,3',5,5',6,6'-octachlorobiphenyl	2136-99-4
98	2,2',3',4,6-pentachlorobiphenyl (2,2',3,4',6'-pentachlorobiphenyl)	60233-25-2	203	2,2',3,4,4',5,5',6-octachlorobiphenyl	52663-76-0
99	2,2',4,4',5-pentachlorobiphenyl	38380-01-7	204	2,2',3,4,4',5,6,6'-octachlorobiphenyl	74472-52-9
100	2,2',4,4',6-pentachlorobiphenyl	39485-83-1	205	2,3,3',4,4',5,5',6-octachlorobiphenyl	74472-53-0
101	2,2',4,5,5'-pentachlorobiphenyl	37680-73-2	206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	40186-72-9
102	2,2',4,5,6-pentachlorobiphenyl	68194-06-9	207	2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl	52663-79-3
103	2,2',4,5',6-pentachlorobiphenyl	60145-21-3	208	2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl	52663-77-1
104	2,2',4,6,6'-pentachlorobiphenyl	56558-16-8	209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	2051-24-3
105	2,3,3',4,4'-pentachlorobiphenyl	32598-14-4			

1. The BZ number is from Ballschmiter and Zell (1980). The IUPAC number, when different from the BZ, follows the recommended changes to the BZ number per Schulte and Malisch (1983) and Guitart et al. (1993).
2. The chemical structure names are from Ballschmiter and Zell (1980). IUPAC nomenclature structure names are listed in parenthesis when different from the BZ name (source CAS Registry).
3. Chemical Abstract Service Registry number (source CAS Registry and 1668 Table 1).
4. A complete discussion of PCB Nomenclature may be found in Mills III, S.A. et al., A summary of the 209 PCB congener nomenclature, Chemosphere (2007), doi:10.1016/j.chemosphere.2007.03.052.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACCLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Sample Data Summary

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 001	Work Order #....:	M00GM1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.021	0.0014	ng/g
PCB 2 (BZ)	ND	0.021	0.0014	ng/g
PCB 3 (BZ)	ND	0.021	0.0015	ng/g
PCB 4 (BZ)	ND	0.042	0.014	ng/g
PCB 5 (BZ)	ND	0.021	0.010	ng/g
PCB 6 (BZ)	ND	0.021	0.0096	ng/g
PCB 7 (BZ)	ND	0.021	0.0099	ng/g
PCB 8 (BZ)	ND	0.042	0.0094	ng/g
PCB 9 (BZ)	ND	0.021	0.0099	ng/g
PCB 10 (BZ)	ND	0.021	0.011	ng/g
PCB 11 (BZ)	ND	0.042	0.0095	ng/g
PCB 12 (BZ)	ND	0.021	0.0097	ng/g
PCB 13 (BZ)	ND	0.021	0.0097	ng/g
PCB 14 (BZ)	ND	0.021	0.0084	ng/g
PCB 15 (BZ)	0.015	Q B J	0.021	ng/g
PCB 16 (BZ)	ND	0.021	0.0081	ng/g
PCB 17 (BZ)	ND	0.021	0.0068	ng/g
PCB 18 (BZ)	ND	0.042	0.0060	ng/g
PCB 19 (BZ)	ND	0.021	0.0083	ng/g
PCB 20 (BZ)	0.0088	Q B C J	0.042	ng/g
PCB 21 (BZ)	0.0025	Q B C J	0.021	ng/g
PCB 22 (BZ)	ND	0.021	0.0023	ng/g
PCB 23 (BZ)	ND	0.021	0.0023	ng/g
PCB 24 (BZ)	ND	0.021	0.0057	ng/g
PCB 25 (BZ)	ND	0.021	0.0021	ng/g
PCB 26 (BZ)	0.012	Q C J	0.021	ng/g
PCB 27 (BZ)	ND	0.021	0.0049	ng/g
PCB 28 (BZ)	0.0088	Q B C20 J	0.042	ng/g
PCB 29 (BZ)	0.012	Q C26 J	0.021	ng/g
PCB 30 (BZ)	ND	0.042	0.0060	ng/g
PCB 31 (BZ)	0.012	Q B J	0.042	ng/g
PCB 32 (BZ)	ND	0.021	0.0048	ng/g
PCB 33 (BZ)	0.0025	Q B C21 J	0.021	ng/g
PCB 34 (BZ)	ND	0.021	0.0023	ng/g
PCB 35 (BZ)	ND	0.021	0.0024	ng/g
PCB 36 (BZ)	ND	0.021	0.0023	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 001 Work Order #....: M00GM1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS	
PCB 37 (BZ)	ND	0.021	0.0023	ng/g	
PCB 38 (BZ)	ND	0.021	0.0024	ng/g	
PCB 39 (BZ)	ND	0.021	0.0021	ng/g	
PCB 40 (BZ)	0.0042	Q B C J	0.021	0.0018	ng/g
PCB 41 (BZ)	0.0042	Q B C40 J	0.021	0.0018	ng/g
PCB 42 (BZ)	ND	0.021	0.0018	ng/g	
PCB 43 (BZ)	ND	0.021	0.0016	ng/g	
PCB 44 (BZ)	0.033	B C	0.021	0.0016	ng/g
PCB 45 (BZ)	ND	0.021	0.0018	ng/g	
PCB 46 (BZ)	ND	0.021	0.0022	ng/g	
PCB 47 (BZ)	0.033	B C44	0.021	0.0016	ng/g
PCB 48 (BZ)	ND	0.021	0.0017	ng/g	
PCB 49 (BZ)	0.016	C J	0.021	0.0014	ng/g
PCB 50 (BZ)	ND	0.021	0.0017	ng/g	
PCB 51 (BZ)	ND	0.021	0.0018	ng/g	
PCB 52 (BZ)	0.093		0.021	0.0017	ng/g
PCB 53 (BZ)	ND	0.021	0.0017	ng/g	
PCB 54 (BZ)	ND	0.021	0.0050	ng/g	
PCB 55 (BZ)	ND	0.021	0.0014	ng/g	
PCB 56 (BZ)	0.0055	J	0.021	0.0013	ng/g
PCB 57 (BZ)	ND	0.021	0.0013	ng/g	
PCB 58 (BZ)	ND	0.021	0.0013	ng/g	
PCB 59 (BZ)	0.0016	Q C J	0.021	0.0012	ng/g
PCB 60 (BZ)	0.0019	Q J	0.021	0.0013	ng/g
PCB 61 (BZ)	0.045	B C	0.042	0.0012	ng/g
PCB 62 (BZ)	0.0016	Q C59 J	0.021	0.0012	ng/g
PCB 63 (BZ)	ND	0.021	0.0012	ng/g	
PCB 64 (BZ)	ND	0.021	0.0012	ng/g	
PCB 65 (BZ)	0.033	B C44	0.021	0.0016	ng/g
PCB 66 (BZ)	0.025		0.021	0.0012	ng/g
PCB 67 (BZ)	ND	0.021	0.0012	ng/g	
PCB 68 (BZ)	0.0015	Q J	0.021	0.0012	ng/g
PCB 69 (BZ)	0.016	C49 J	0.021	0.0014	ng/g
PCB 70 (BZ)	0.045	B C61	0.042	0.0012	ng/g
PCB 71 (BZ)	0.0042	Q B C40 J	0.021	0.0018	ng/g
PCB 72 (BZ)	0.0042	J	0.021	0.0013	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 001	Work Order #....:	M00GM1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.5 g	Instrument ID....:	Mid	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.021	0.0016	ng/g
PCB 74 (BZ)	0.045	B C61	0.042	0.0012	ng/g
PCB 75 (BZ)	0.0016	Q C59 J	0.021	0.0012	ng/g
PCB 76 (BZ)	0.045	B C61	0.042	0.0012	ng/g
PCB 77 (BZ)	0.0021	Q J	0.021	0.0012	ng/g
PCB 78 (BZ)	ND		0.021	0.0013	ng/g
PCB 79 (BZ)	ND		0.021	0.0012	ng/g
PCB 80 (BZ)	ND		0.021	0.0011	ng/g
PCB 81 (BZ)	ND		0.021	0.0012	ng/g
PCB 82 (BZ)	ND		0.021	0.0035	ng/g
PCB 83 (BZ)	0.064	C	0.021	0.0029	ng/g
PCB 84 (BZ)	ND		0.021	0.0033	ng/g
PCB 85 (BZ)	ND		0.021	0.0024	ng/g
PCB 86 (BZ)	0.064	Q C	0.021	0.0025	ng/g
PCB 87 (BZ)	0.064	Q C86	0.021	0.0025	ng/g
PCB 88 (BZ)	ND		0.021	0.0030	ng/g
PCB 89 (BZ)	ND		0.021	0.0032	ng/g
PCB 90 (BZ)	0.25	C	0.021	0.0025	ng/g
PCB 91 (BZ)	ND		0.021	0.0030	ng/g
PCB 92 (BZ)	0.044		0.021	0.0029	ng/g
PCB 93 (BZ)	ND		0.021	0.0029	ng/g
PCB 94 (BZ)	ND		0.021	0.0032	ng/g
PCB 95 (BZ)	0.099		0.021	0.0030	ng/g
PCB 96 (BZ)	ND		0.021	0.0024	ng/g
PCB 97 (BZ)	0.064	Q C86	0.021	0.0025	ng/g
PCB 98 (BZ)	ND		0.021	0.0028	ng/g
PCB 99 (BZ)	0.064	C83	0.021	0.0029	ng/g
PCB 100 (BZ)	ND		0.021	0.0029	ng/g
PCB 101 (BZ)	0.25	C90	0.021	0.0025	ng/g
PCB 102 (BZ)	ND		0.021	0.0028	ng/g
PCB 103 (BZ)	ND		0.021	0.0028	ng/g
PCB 104 (BZ)	ND		0.021	0.0021	ng/g
PCB 105 (BZ)	0.015	Q J	0.021	0.0011	ng/g
PCB 106 (BZ)	ND		0.021	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0076	Q J	0.021	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0064	C J	0.021	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 001 Work Order #....: M00GM1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.064	Q C86	0.021	ng/g
PCB 110 (BZ)	0.039	Q B C	0.021	ng/g
PCB 111 (BZ)	ND		0.021	ng/g
PCB 112 (BZ)	ND		0.021	ng/g
PCB 113 (BZ)	0.25	C90	0.021	ng/g
PCB 114 (BZ)	ND		0.021	ng/g
PCB 115 (BZ)	0.039	Q B C110	0.021	ng/g
PCB 116 (BZ)	ND		0.021	ng/g
PCB 117 (BZ)	ND		0.021	ng/g
PCB 118 (BZ)	0.062	B	0.021	ng/g
PCB 119 (BZ)	0.064	Q C86	0.021	ng/g
PCB 120 (BZ)	ND		0.021	ng/g
PCB 121 (BZ)	ND		0.021	ng/g
PCB 122 (BZ)	ND		0.021	ng/g
PCB 123 (BZ)	ND		0.021	ng/g
PCB 124 (BZ)	0.0064	C108 J	0.021	ng/g
PCB 125 (BZ)	0.064	Q C86	0.021	ng/g
PCB 126 (BZ)	ND		0.021	ng/g
PCB 127 (BZ)	ND		0.021	ng/g
PCB 128 (BZ)	0.011	Q C J	0.021	ng/g
PCB 129 (BZ)	0.11	B C	0.021	ng/g
PCB 130 (BZ)	0.0083	J	0.021	ng/g
PCB 131 (BZ)	ND		0.021	ng/g
PCB 132 (BZ)	0.010	Q J	0.021	ng/g
PCB 133 (BZ)	0.0037	J	0.021	ng/g
PCB 134 (BZ)	0.0038	C J	0.021	ng/g
PCB 135 (BZ)	0.082	Q C	0.021	ng/g
PCB 136 (BZ)	0.0078	Q J	0.021	ng/g
PCB 137 (BZ)	0.0035	Q J	0.021	ng/g
PCB 138 (BZ)	0.11	B C129	0.021	ng/g
PCB 139 (BZ)	ND		0.021	ng/g
PCB 140 (BZ)	ND		0.021	ng/g
PCB 141 (BZ)	0.045		0.021	ng/g
PCB 142 (BZ)	ND		0.021	ng/g
PCB 143 (BZ)	0.0038	C134 J	0.021	ng/g
PCB 144 (BZ)	0.010	Q J	0.021	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 001 Work Order #....: M00GM1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.021	0.0024	ng/g
PCB 146 (BZ)	0.031	0.021	0.0019	ng/g
PCB 147 (BZ)	0.097	B C	0.0019	ng/g
PCB 148 (BZ)	ND	0.021	0.0034	ng/g
PCB 149 (BZ)	0.097	B C147	0.0019	ng/g
PCB 150 (BZ)	ND	0.021	0.0024	ng/g
PCB 151 (BZ)	0.082	Q C135	0.0034	ng/g
PCB 152 (BZ)	ND	0.021	0.0024	ng/g
PCB 153 (BZ)	0.072	B C	0.0015	ng/g
PCB 154 (BZ)	ND	0.021	0.0028	ng/g
PCB 155 (BZ)	ND	0.021	0.0023	ng/g
PCB 156 (BZ)	0.0079	C J	0.0019	ng/g
PCB 157 (BZ)	0.0079	C156 J	0.0019	ng/g
PCB 158 (BZ)	0.0083	J	0.0014	ng/g
PCB 159 (BZ)	ND	0.021	0.0015	ng/g
PCB 160 (BZ)	0.11	B C129	0.0018	ng/g
PCB 161 (BZ)	ND	0.021	0.0015	ng/g
PCB 162 (BZ)	ND	0.021	0.0015	ng/g
PCB 163 (BZ)	0.11	B C129	0.0018	ng/g
PCB 164 (BZ)	0.017	Q J	0.0016	ng/g
PCB 165 (BZ)	ND	0.021	0.0016	ng/g
PCB 166 (BZ)	0.011	Q C128 J	0.0017	ng/g
PCB 167 (BZ)	0.0028	Q J	0.0010	ng/g
PCB 168 (BZ)	0.072	B C153	0.0015	ng/g
PCB 169 (BZ)	ND	0.021	0.0012	ng/g
PCB 170 (BZ)	0.0078	J	0.0021	ng/g
PCB 171 (BZ)	ND	0.021	0.0022	ng/g
PCB 172 (BZ)	ND	0.021	0.0022	ng/g
PCB 173 (BZ)	ND	0.021	0.0022	ng/g
PCB 174 (BZ)	0.041	0.021	0.0020	ng/g
PCB 175 (BZ)	ND	0.021	0.0019	ng/g
PCB 176 (BZ)	0.0029	Q J	0.0015	ng/g
PCB 177 (BZ)	0.013	Q J	0.0021	ng/g
PCB 178 (BZ)	0.012	J	0.0021	ng/g
PCB 179 (BZ)	0.010	J	0.0016	ng/g
PCB 180 (BZ)	0.036	B C	0.0016	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 001 Work Order #....: M00GM1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.021	0.0019	ng/g
PCB 182 (BZ)	ND		0.021	0.0019	ng/g
PCB 183 (BZ)	0.018	Q C J	0.021	0.0019	ng/g
PCB 184 (BZ)	ND		0.021	0.0016	ng/g
PCB 185 (BZ)	0.018	Q C183 J	0.021	0.0019	ng/g
PCB 186 (BZ)	ND		0.021	0.0016	ng/g
PCB 187 (BZ)	0.099		0.021	0.0018	ng/g
PCB 188 (BZ)	ND		0.021	0.0014	ng/g
PCB 189 (BZ)	ND		0.021	0.0015	ng/g
PCB 190 (BZ)	ND		0.021	0.0015	ng/g
PCB 191 (BZ)	ND		0.021	0.0015	ng/g
PCB 192 (BZ)	ND		0.021	0.0017	ng/g
PCB 193 (BZ)	0.036	B C180	0.021	0.0016	ng/g
PCB 194 (BZ)	0.0063	Q B J	0.021	0.0024	ng/g
PCB 195 (BZ)	ND		0.021	0.0026	ng/g
PCB 196 (BZ)	ND		0.021	0.0019	ng/g
PCB 197 (BZ)	ND		0.021	0.0014	ng/g
PCB 198 (BZ)	0.017	Q C J	0.021	0.0019	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.017	Q C198 J	0.021	0.0019	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.021	0.0014	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.021	0.0013	ng/g
PCB 202 (BZ)	0.0046	Q J	0.021	0.0015	ng/g
PCB 203 (BZ)	0.0034	Q J	0.021	0.0017	ng/g
PCB 204 (BZ)	ND		0.021	0.0014	ng/g
PCB 205 (BZ)	ND		0.021	0.0021	ng/g
PCB 206 (BZ)	ND		0.021	0.0053	ng/g
PCB 207 (BZ)	ND		0.021	0.0033	ng/g
PCB 208 (BZ)	ND		0.021	0.0031	ng/g
PCB 209 (BZ)	ND		0.021	0.0028	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 001	Work Order #....:	M00GM1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	52	30 - 140
13C12-PCB 3	54	30 - 140
13C12-PCB 4	63	30 - 140
13C12-PCB 15	72	30 - 140
13C12-PCB 19	67	30 - 140
13C12-PCB 37	83	30 - 140
13C12-PCB 54	54	30 - 140
13C12-PCB 77	91	30 - 140
13C12-PCB 81	89	30 - 140
13C12-PCB 104	61	30 - 140
13C12-PCB 105	66	30 - 140
13C12-PCB 114	69	30 - 140
13C12-PCB 118	63	30 - 140
13C12-PCB 123	62	30 - 140
13C12-PCB 126	67	30 - 140
13C12-PCB 155	65	30 - 140
13C12-PCB 156	85	C 30 - 140
13C12-PCB 157	85	C 30 - 140
13C12-PCB 167	81	30 - 140
13C12-PCB 169	74	30 - 140
13C12-PCB 170	70	30 - 140
13C12-PCB 188	69	30 - 140
13C12-PCB 189	102	30 - 140
13C12-PCB 202	76	30 - 140
13C12-PCB 205	67	30 - 140
13C12-PCB 206	70	30 - 140
13C12-PCB 208	96	30 - 140
13C12-PCB 209	79	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	70	40 - 125
13C12-PCB 111	78	40 - 125
13C12-PCB 178	65	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-5(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 001	Work Order #....:	M00GM1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/27/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 002 Work Order #....: M00GN1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.020	0.00093	ng/g
PCB 2 (BZ)	ND	0.020	0.0011	ng/g
PCB 3 (BZ)	ND	0.020	0.0012	ng/g
PCB 4 (BZ)	ND	0.040	0.021	ng/g
PCB 5 (BZ)	ND	0.020	0.015	ng/g
PCB 6 (BZ)	ND	0.020	0.014	ng/g
PCB 7 (BZ)	ND	0.020	0.014	ng/g
PCB 8 (BZ)	ND	0.040	0.014	ng/g
PCB 9 (BZ)	ND	0.020	0.014	ng/g
PCB 10 (BZ)	ND	0.020	0.015	ng/g
PCB 11 (BZ)	0.033	Q B J	0.040	ng/g
PCB 12 (BZ)	ND	0.020	0.014	ng/g
PCB 13 (BZ)	ND	0.020	0.014	ng/g
PCB 14 (BZ)	ND	0.020	0.012	ng/g
PCB 15 (BZ)	0.026	Q B	0.020	ng/g
PCB 16 (BZ)	ND	0.020	0.0058	ng/g
PCB 17 (BZ)	ND	0.020	0.0049	ng/g
PCB 18 (BZ)	0.029	Q C J	0.040	ng/g
PCB 19 (BZ)	ND	0.020	0.0060	ng/g
PCB 20 (BZ)	0.18	B C	0.040	ng/g
PCB 21 (BZ)	0.0096	Q B C J	0.020	ng/g
PCB 22 (BZ)	0.0068	Q J	0.020	ng/g
PCB 23 (BZ)	ND	0.020	0.0020	ng/g
PCB 24 (BZ)	ND	0.020	0.0041	ng/g
PCB 25 (BZ)	0.014	J	0.020	ng/g
PCB 26 (BZ)	0.065	C	0.020	ng/g
PCB 27 (BZ)	ND	0.020	0.0035	ng/g
PCB 28 (BZ)	0.18	B C20	0.040	ng/g
PCB 29 (BZ)	0.065	C26	0.020	ng/g
PCB 30 (BZ)	0.029	Q C18 J	0.040	ng/g
PCB 31 (BZ)	0.084	B	0.040	ng/g
PCB 32 (BZ)	ND	0.020	0.0035	ng/g
PCB 33 (BZ)	0.0096	Q B C21 J	0.020	ng/g
PCB 34 (BZ)	ND	0.020	0.0020	ng/g
PCB 35 (BZ)	0.0026	Q J	0.020	ng/g
PCB 36 (BZ)	ND	0.020	0.0020	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 002 Work Order #....: M00GN1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.023	Q B	0.020	0.0020	ng/g
PCB 38 (BZ)	ND		0.020	0.0021	ng/g
PCB 39 (BZ)	ND		0.020	0.0018	ng/g
PCB 40 (BZ)	0.025	B C	0.020	0.0019	ng/g
PCB 41 (BZ)	0.025	B C40	0.020	0.0019	ng/g
PCB 42 (BZ)	0.011	J	0.020	0.0019	ng/g
PCB 43 (BZ)	0.0058	C J	0.020	0.0017	ng/g
PCB 44 (BZ)	0.23	B C	0.020	0.0017	ng/g
PCB 45 (BZ)	0.0037	Q C J	0.020	0.0019	ng/g
PCB 46 (BZ)	ND		0.020	0.0023	ng/g
PCB 47 (BZ)	0.23	B C44	0.020	0.0017	ng/g
PCB 48 (BZ)	0.0096	J	0.020	0.0019	ng/g
PCB 49 (BZ)	0.096	C	0.020	0.0015	ng/g
PCB 50 (BZ)	0.0094	C J	0.020	0.0018	ng/g
PCB 51 (BZ)	0.0037	Q C45 J	0.020	0.0019	ng/g
PCB 52 (BZ)	0.37		0.020	0.0018	ng/g
PCB 53 (BZ)	0.0094	C50 J	0.020	0.0018	ng/g
PCB 54 (BZ)	ND		0.020	0.0049	ng/g
PCB 55 (BZ)	0.0058	Q J	0.020	0.0014	ng/g
PCB 56 (BZ)	0.036		0.020	0.0014	ng/g
PCB 57 (BZ)	0.0035	J	0.020	0.0014	ng/g
PCB 58 (BZ)	0.0021	Q J	0.020	0.0014	ng/g
PCB 59 (BZ)	0.0074	Q C J	0.020	0.0013	ng/g
PCB 60 (BZ)	0.028		0.020	0.0014	ng/g
PCB 61 (BZ)	0.32	B C	0.040	0.0013	ng/g
PCB 62 (BZ)	0.0074	Q C59 J	0.020	0.0013	ng/g
PCB 63 (BZ)	0.025		0.020	0.0013	ng/g
PCB 64 (BZ)	0.010	J	0.020	0.0013	ng/g
PCB 65 (BZ)	0.23	B C44	0.020	0.0017	ng/g
PCB 66 (BZ)	0.38		0.020	0.0013	ng/g
PCB 67 (BZ)	0.0071	J	0.020	0.0012	ng/g
PCB 68 (BZ)	0.022		0.020	0.0012	ng/g
PCB 69 (BZ)	0.096	C49	0.020	0.0015	ng/g
PCB 70 (BZ)	0.32	B C61	0.040	0.0013	ng/g
PCB 71 (BZ)	0.025	B C40	0.020	0.0019	ng/g
PCB 72 (BZ)	0.029		0.020	0.0013	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 002 Work Order #....: M00GN1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0058	C43 J	0.020	ng/g
PCB 74 (BZ)	0.32	B C61	0.040	ng/g
PCB 75 (BZ)	0.0074	Q C59 J	0.020	ng/g
PCB 76 (BZ)	0.32	B C61	0.040	ng/g
PCB 77 (BZ)	0.021		0.020	ng/g
PCB 78 (BZ)	ND		0.020	ng/g
PCB 79 (BZ)	0.0065	J	0.020	ng/g
PCB 80 (BZ)	ND		0.020	ng/g
PCB 81 (BZ)	ND		0.020	ng/g
PCB 82 (BZ)	0.015	J	0.020	ng/g
PCB 83 (BZ)	0.96	C	0.020	ng/g
PCB 84 (BZ)	0.030		0.020	ng/g
PCB 85 (BZ)	0.17	Q C	0.020	ng/g
PCB 86 (BZ)	0.39	C	0.020	ng/g
PCB 87 (BZ)	0.39	C86	0.020	ng/g
PCB 88 (BZ)	0.085	C	0.020	ng/g
PCB 89 (BZ)	ND		0.020	ng/g
PCB 90 (BZ)	1.1	C	0.020	ng/g
PCB 91 (BZ)	0.085	C88	0.020	ng/g
PCB 92 (BZ)	0.22		0.020	ng/g
PCB 93 (BZ)	ND		0.020	ng/g
PCB 94 (BZ)	ND		0.020	ng/g
PCB 95 (BZ)	0.29		0.020	ng/g
PCB 96 (BZ)	ND		0.020	ng/g
PCB 97 (BZ)	0.39	C86	0.020	ng/g
PCB 98 (BZ)	ND		0.020	ng/g
PCB 99 (BZ)	0.96	C83	0.020	ng/g
PCB 100 (BZ)	ND		0.020	ng/g
PCB 101 (BZ)	1.1	C90	0.020	ng/g
PCB 102 (BZ)	ND		0.020	ng/g
PCB 103 (BZ)	0.018	J	0.020	ng/g
PCB 104 (BZ)	ND		0.020	ng/g
PCB 105 (BZ)	0.23		0.020	ng/g
PCB 106 (BZ)	ND		0.020	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.096		0.020	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.037	C	0.020	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 002 Work Order #....: M00GN1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.39	C86	0.020	0.0026	ng/g
PCB 110 (BZ)	0.26	B C	0.020	0.0022	ng/g
PCB 111 (BZ)	0.0089	J	0.020	0.0021	ng/g
PCB 112 (BZ)	ND		0.020	0.0023	ng/g
PCB 113 (BZ)	1.1	C90	0.020	0.0026	ng/g
PCB 114 (BZ)	0.021	Q	0.020	0.0012	ng/g
PCB 115 (BZ)	0.26	B C110	0.020	0.0022	ng/g
PCB 116 (BZ)	0.17	Q C85	0.020	0.0025	ng/g
PCB 117 (BZ)	0.17	Q C85	0.020	0.0025	ng/g
PCB 118 (BZ)	1.0	B	0.020	0.0013	ng/g
PCB 119 (BZ)	0.39	C86	0.020	0.0026	ng/g
PCB 120 (BZ)	0.024	Q	0.020	0.0022	ng/g
PCB 121 (BZ)	ND		0.020	0.0022	ng/g
PCB 122 (BZ)	0.0080	Q J	0.020	0.0015	ng/g
PCB 123 (BZ)	0.024		0.020	0.0014	ng/g
PCB 124 (BZ)	0.037	C108	0.020	0.0014	ng/g
PCB 125 (BZ)	0.39	C86	0.020	0.0026	ng/g
PCB 126 (BZ)	0.0075	Q J	0.020	0.0013	ng/g
PCB 127 (BZ)	ND		0.020	0.0014	ng/g
PCB 128 (BZ)	0.13	C	0.020	0.0022	ng/g
PCB 129 (BZ)	1.2	B C	0.020	0.0023	ng/g
PCB 130 (BZ)	0.075		0.020	0.0029	ng/g
PCB 131 (BZ)	0.0029	Q J	0.020	0.0030	ng/g
PCB 132 (BZ)	0.083		0.020	0.0029	ng/g
PCB 133 (BZ)	0.039	Q	0.020	0.0028	ng/g
PCB 134 (BZ)	0.018	Q C J	0.020	0.0029	ng/g
PCB 135 (BZ)	0.28	C	0.020	0.0041	ng/g
PCB 136 (BZ)	0.040		0.020	0.0030	ng/g
PCB 137 (BZ)	0.053		0.020	0.0025	ng/g
PCB 138 (BZ)	1.2	B C129	0.020	0.0023	ng/g
PCB 139 (BZ)	0.010	C J	0.020	0.0025	ng/g
PCB 140 (BZ)	0.010	C139 J	0.020	0.0025	ng/g
PCB 141 (BZ)	0.15		0.020	0.0026	ng/g
PCB 142 (BZ)	ND		0.020	0.0029	ng/g
PCB 143 (BZ)	0.018	Q C134 J	0.020	0.0029	ng/g
PCB 144 (BZ)	0.039		0.020	0.0038	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 002 Work Order #....: M00GN1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.020	0.0029	ng/g
PCB 146 (BZ)	0.28	0.020	0.0024	ng/g
PCB 147 (BZ)	0.46	B C	0.0024	ng/g
PCB 148 (BZ)	ND	0.020	0.0041	ng/g
PCB 149 (BZ)	0.46	B C147	0.0024	ng/g
PCB 150 (BZ)	ND	0.020	0.0028	ng/g
PCB 151 (BZ)	0.28	C135	0.0041	ng/g
PCB 152 (BZ)	ND	0.020	0.0029	ng/g
PCB 153 (BZ)	1.3	B C	0.0020	ng/g
PCB 154 (BZ)	0.045	Q	0.0034	ng/g
PCB 155 (BZ)	ND	0.020	0.0028	ng/g
PCB 156 (BZ)	0.12	C	0.0025	ng/g
PCB 157 (BZ)	0.12	C156	0.0025	ng/g
PCB 158 (BZ)	0.075		0.0018	ng/g
PCB 159 (BZ)	0.0077	J	0.0019	ng/g
PCB 160 (BZ)	1.2	B C129	0.0023	ng/g
PCB 161 (BZ)	ND	0.020	0.0019	ng/g
PCB 162 (BZ)	0.0099	J	0.0019	ng/g
PCB 163 (BZ)	1.2	B C129	0.0023	ng/g
PCB 164 (BZ)	0.069		0.0020	ng/g
PCB 165 (BZ)	0.0059	J	0.0021	ng/g
PCB 166 (BZ)	0.13	C128	0.0022	ng/g
PCB 167 (BZ)	0.059		0.0013	ng/g
PCB 168 (BZ)	1.3	B C153	0.0020	ng/g
PCB 169 (BZ)	0.0040	Q J	0.0016	ng/g
PCB 170 (BZ)	0.14		0.0024	ng/g
PCB 171 (BZ)	0.035	Q C	0.0025	ng/g
PCB 172 (BZ)	0.050		0.0025	ng/g
PCB 173 (BZ)	0.035	Q C171	0.0025	ng/g
PCB 174 (BZ)	0.15		0.0023	ng/g
PCB 175 (BZ)	0.0078	Q J	0.0022	ng/g
PCB 176 (BZ)	0.018	J	0.0017	ng/g
PCB 177 (BZ)	0.14		0.0024	ng/g
PCB 178 (BZ)	0.10		0.0024	ng/g
PCB 179 (BZ)	0.047		0.0018	ng/g
PCB 180 (BZ)	0.49	B C	0.0019	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 002 Work Order #....: M00GN1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0082	J	0.020	0.0022	ng/g
PCB 182 (BZ)	ND		0.020	0.0022	ng/g
PCB 183 (BZ)	0.16	C	0.020	0.0022	ng/g
PCB 184 (BZ)	ND		0.020	0.0018	ng/g
PCB 185 (BZ)	0.16	C183	0.020	0.0022	ng/g
PCB 186 (BZ)	ND		0.020	0.0018	ng/g
PCB 187 (BZ)	0.55		0.020	0.0021	ng/g
PCB 188 (BZ)	0.0085	Q J	0.020	0.0017	ng/g
PCB 189 (BZ)	0.0082	Q J	0.020	0.0021	ng/g
PCB 190 (BZ)	0.041		0.020	0.0017	ng/g
PCB 191 (BZ)	0.014	J	0.020	0.0017	ng/g
PCB 192 (BZ)	0.0032	Q J	0.020	0.0019	ng/g
PCB 193 (BZ)	0.49	B C180	0.020	0.0019	ng/g
PCB 194 (BZ)	0.081	B	0.020	0.0030	ng/g
PCB 195 (BZ)	0.036		0.020	0.0033	ng/g
PCB 196 (BZ)	0.039		0.020	0.0017	ng/g
PCB 197 (BZ)	0.0091	Q J	0.020	0.0012	ng/g
PCB 198 (BZ)	0.14	C	0.020	0.0017	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.14	C198	0.020	0.0017	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0035	Q J	0.020	0.0012	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.027		0.020	0.0012	ng/g
PCB 202 (BZ)	0.066		0.020	0.0013	ng/g
PCB 203 (BZ)	0.044	Q	0.020	0.0015	ng/g
PCB 204 (BZ)	ND		0.020	0.0013	ng/g
PCB 205 (BZ)	0.0057	Q J	0.020	0.0026	ng/g
PCB 206 (BZ)	0.067	Q	0.020	0.0040	ng/g
PCB 207 (BZ)	0.012	Q J	0.020	0.0021	ng/g
PCB 208 (BZ)	0.052		0.020	0.0018	ng/g
PCB 209 (BZ)	0.076		0.020	0.0032	ng/g

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 002	Work Order #....:	M00GN1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	50		30 - 140
13C12-PCB 3	49		30 - 140
13C12-PCB 4	70		30 - 140
13C12-PCB 15	78		30 - 140
13C12-PCB 19	81		30 - 140
13C12-PCB 37	88		30 - 140
13C12-PCB 54	56		30 - 140
13C12-PCB 77	100		30 - 140
13C12-PCB 81	97		30 - 140
13C12-PCB 104	64		30 - 140
13C12-PCB 105	69		30 - 140
13C12-PCB 114	69		30 - 140
13C12-PCB 118	66		30 - 140
13C12-PCB 123	64		30 - 140
13C12-PCB 126	71		30 - 140
13C12-PCB 155	70		30 - 140
13C12-PCB 156	92	C	30 - 140
13C12-PCB 157	92	C	30 - 140
13C12-PCB 167	91		30 - 140
13C12-PCB 169	80		30 - 140
13C12-PCB 170	76		30 - 140
13C12-PCB 188	69		30 - 140
13C12-PCB 189	118		30 - 140
13C12-PCB 202	86		30 - 140
13C12-PCB 205	73		30 - 140
13C12-PCB 206	77		30 - 140
13C12-PCB 208	104		30 - 140
13C12-PCB 209	70		30 - 140

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 28	76		40 - 125
13C12-PCB 111	82		40 - 125
13C12-PCB 178	71		40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-5(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 002	Work Order #....:	M00GN1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 003	Work Order #....:	M00GP1AE	Matrix....:	TA
Date Sampled....:	05/22/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.6 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM	ESTIMATED	DETECTION LIMIT	UNITS
			LEVEL			
PCB 1 (BZ)	0.0044	Q B J	0.021	0.00090		ng/g
PCB 2 (BZ)	ND		0.021	0.0010		ng/g
PCB 3 (BZ)	ND		0.021	0.0011		ng/g
PCB 4 (BZ)	ND		0.042	0.022		ng/g
PCB 5 (BZ)	ND		0.021	0.016		ng/g
PCB 6 (BZ)	ND		0.021	0.015		ng/g
PCB 7 (BZ)	ND		0.021	0.016		ng/g
PCB 8 (BZ)	ND		0.042	0.015		ng/g
PCB 9 (BZ)	ND		0.021	0.016		ng/g
PCB 10 (BZ)	ND		0.021	0.017		ng/g
PCB 11 (BZ)	0.045	Q B	0.042	0.015		ng/g
PCB 12 (BZ)	ND		0.021	0.015		ng/g
PCB 13 (BZ)	ND		0.021	0.015		ng/g
PCB 14 (BZ)	ND		0.021	0.013		ng/g
PCB 15 (BZ)	0.031	Q B	0.021	0.015		ng/g
PCB 16 (BZ)	ND		0.021	0.0076		ng/g
PCB 17 (BZ)	ND		0.021	0.0064		ng/g
PCB 18 (BZ)	0.033	Q C J	0.042	0.0056		ng/g
PCB 19 (BZ)	ND		0.021	0.0078		ng/g
PCB 20 (BZ)	0.22	B C	0.042	0.0028		ng/g
PCB 21 (BZ)	0.013	Q B C J	0.021	0.0028		ng/g
PCB 22 (BZ)	0.0072	Q J	0.021	0.0028		ng/g
PCB 23 (BZ)	ND		0.021	0.0029		ng/g
PCB 24 (BZ)	ND		0.021	0.0053		ng/g
PCB 25 (BZ)	0.017	Q J	0.021	0.0026		ng/g
PCB 26 (BZ)	0.091	C	0.021	0.0027		ng/g
PCB 27 (BZ)	ND		0.021	0.0046		ng/g
PCB 28 (BZ)	0.22	B C20	0.042	0.0028		ng/g
PCB 29 (BZ)	0.091	C26	0.021	0.0027		ng/g
PCB 30 (BZ)	0.033	Q C18 J	0.042	0.0056		ng/g
PCB 31 (BZ)	0.10	Q B	0.042	0.0027		ng/g
PCB 32 (BZ)	ND		0.021	0.0045		ng/g
PCB 33 (BZ)	0.013	Q B C21 J	0.021	0.0028		ng/g
PCB 34 (BZ)	ND		0.021	0.0028		ng/g
PCB 35 (BZ)	ND		0.021	0.0029		ng/g
PCB 36 (BZ)	ND		0.021	0.0028		ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 003 Work Order #....: M00GP1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.6 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT		UNITS
PCB 37 (BZ)	0.026	Q B	0.021	0.0029		ng/g
PCB 38 (BZ)	ND		0.021	0.0030		ng/g
PCB 39 (BZ)	ND		0.021	0.0026		ng/g
PCB 40 (BZ)	0.023	B C	0.021	0.0019		ng/g
PCB 41 (BZ)	0.023	B C40	0.021	0.0019		ng/g
PCB 42 (BZ)	0.0087	Q J	0.021	0.0020		ng/g
PCB 43 (BZ)	0.0032	Q C J	0.021	0.0018		ng/g
PCB 44 (BZ)	0.30	B C	0.021	0.0017		ng/g
PCB 45 (BZ)	ND		0.021	0.0020		ng/g
PCB 46 (BZ)	ND		0.021	0.0024		ng/g
PCB 47 (BZ)	0.30	B C44	0.021	0.0017		ng/g
PCB 48 (BZ)	0.0067	Q J	0.021	0.0019		ng/g
PCB 49 (BZ)	0.12	C	0.021	0.0016		ng/g
PCB 50 (BZ)	0.011	C J	0.021	0.0019		ng/g
PCB 51 (BZ)	ND		0.021	0.0020		ng/g
PCB 52 (BZ)	0.47		0.021	0.0019		ng/g
PCB 53 (BZ)	0.011	C50 J	0.021	0.0019		ng/g
PCB 54 (BZ)	ND		0.021	0.0043		ng/g
PCB 55 (BZ)	0.0022	Q J	0.021	0.0015		ng/g
PCB 56 (BZ)	0.035		0.021	0.0014		ng/g
PCB 57 (BZ)	0.0060	J	0.021	0.0014		ng/g
PCB 58 (BZ)	0.0022	Q J	0.021	0.0014		ng/g
PCB 59 (BZ)	0.019	Q C J	0.021	0.0014		ng/g
PCB 60 (BZ)	0.030		0.021	0.0014		ng/g
PCB 61 (BZ)	0.38	B C	0.042	0.0014		ng/g
PCB 62 (BZ)	0.019	Q C59 J	0.021	0.0014		ng/g
PCB 63 (BZ)	0.030		0.021	0.0013		ng/g
PCB 64 (BZ)	0.011	J	0.021	0.0013		ng/g
PCB 65 (BZ)	0.30	B C44	0.021	0.0017		ng/g
PCB 66 (BZ)	0.48		0.021	0.0014		ng/g
PCB 67 (BZ)	0.0068	J	0.021	0.0013		ng/g
PCB 68 (BZ)	0.028		0.021	0.0013		ng/g
PCB 69 (BZ)	0.12	C49	0.021	0.0016		ng/g
PCB 70 (BZ)	0.38	B C61	0.042	0.0014		ng/g
PCB 71 (BZ)	0.023	B C40	0.021	0.0019		ng/g
PCB 72 (BZ)	0.034		0.021	0.0014		ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 003 Work Order #....: M00GP1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.6 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0032	Q C43 J	0.021	0.0018	ng/g
PCB 74 (BZ)	0.38	B C61	0.042	0.0014	ng/g
PCB 75 (BZ)	0.019	Q C59 J	0.021	0.0014	ng/g
PCB 76 (BZ)	0.38	B C61	0.042	0.0014	ng/g
PCB 77 (BZ)	0.025		0.021	0.0013	ng/g
PCB 78 (BZ)	ND		0.021	0.0015	ng/g
PCB 79 (BZ)	0.0073	J	0.021	0.0013	ng/g
PCB 80 (BZ)	ND		0.021	0.0013	ng/g
PCB 81 (BZ)	ND		0.021	0.0013	ng/g
PCB 82 (BZ)	0.012	Q J	0.021	0.0031	ng/g
PCB 83 (BZ)	1.1	C	0.021	0.0026	ng/g
PCB 84 (BZ)	0.031		0.021	0.0030	ng/g
PCB 85 (BZ)	0.19	C	0.021	0.0022	ng/g
PCB 86 (BZ)	0.40	C	0.021	0.0022	ng/g
PCB 87 (BZ)	0.40	C86	0.021	0.0022	ng/g
PCB 88 (BZ)	0.10	C	0.021	0.0026	ng/g
PCB 89 (BZ)	ND		0.021	0.0029	ng/g
PCB 90 (BZ)	1.2	C	0.021	0.0022	ng/g
PCB 91 (BZ)	0.10	C88	0.021	0.0026	ng/g
PCB 92 (BZ)	0.24		0.021	0.0025	ng/g
PCB 93 (BZ)	ND		0.021	0.0026	ng/g
PCB 94 (BZ)	ND		0.021	0.0029	ng/g
PCB 95 (BZ)	0.30		0.021	0.0027	ng/g
PCB 96 (BZ)	ND		0.021	0.0021	ng/g
PCB 97 (BZ)	0.40	C86	0.021	0.0022	ng/g
PCB 98 (BZ)	ND		0.021	0.0025	ng/g
PCB 99 (BZ)	1.1	C83	0.021	0.0026	ng/g
PCB 100 (BZ)	ND		0.021	0.0026	ng/g
PCB 101 (BZ)	1.2	C90	0.021	0.0022	ng/g
PCB 102 (BZ)	ND		0.021	0.0025	ng/g
PCB 103 (BZ)	0.020	J	0.021	0.0025	ng/g
PCB 104 (BZ)	ND		0.021	0.0019	ng/g
PCB 105 (BZ)	0.29		0.021	0.0013	ng/g
PCB 106 (BZ)	ND		0.021	0.0013	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.12		0.021	0.0013	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.044	C	0.021	0.0014	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 003 Work Order #....: M00GP1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.6 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.40	C86	0.021	ng/g
PCB 110 (BZ)	0.25	B C	0.021	ng/g
PCB 111 (BZ)	0.0079	Q J	0.021	ng/g
PCB 112 (BZ)	ND		0.021	ng/g
PCB 113 (BZ)	1.2	C90	0.021	ng/g
PCB 114 (BZ)	0.023		0.021	ng/g
PCB 115 (BZ)	0.25	B C110	0.021	ng/g
PCB 116 (BZ)	0.19	C85	0.021	ng/g
PCB 117 (BZ)	0.19	C85	0.022	ng/g
PCB 118 (BZ)	1.2	B	0.021	ng/g
PCB 119 (BZ)	0.40	C86	0.022	ng/g
PCB 120 (BZ)	0.024	Q	0.021	ng/g
PCB 121 (BZ)	ND		0.021	ng/g
PCB 122 (BZ)	0.015	J	0.021	ng/g
PCB 123 (BZ)	0.026		0.021	ng/g
PCB 124 (BZ)	0.044	C108	0.021	ng/g
PCB 125 (BZ)	0.40	C86	0.021	ng/g
PCB 126 (BZ)	0.014	Q J	0.021	ng/g
PCB 127 (BZ)	0.0026	Q J	0.021	ng/g
PCB 128 (BZ)	0.15	C	0.021	ng/g
PCB 129 (BZ)	1.4	B C	0.021	ng/g
PCB 130 (BZ)	0.086		0.021	ng/g
PCB 131 (BZ)	ND		0.021	ng/g
PCB 132 (BZ)	0.091		0.021	ng/g
PCB 133 (BZ)	0.041		0.021	ng/g
PCB 134 (BZ)	0.025	C	0.021	ng/g
PCB 135 (BZ)	0.33	C	0.021	ng/g
PCB 136 (BZ)	0.046		0.021	ng/g
PCB 137 (BZ)	0.054	Q	0.021	ng/g
PCB 138 (BZ)	1.4	B C129	0.021	ng/g
PCB 139 (BZ)	0.012	Q C J	0.021	ng/g
PCB 140 (BZ)	0.012	Q C139 J	0.021	ng/g
PCB 141 (BZ)	0.16		0.021	ng/g
PCB 142 (BZ)	ND		0.021	ng/g
PCB 143 (BZ)	0.025	C134	0.021	ng/g
PCB 144 (BZ)	0.035		0.021	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 003 Work Order #....: M00GP1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.6 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.021	0.0026	ng/g
PCB 146 (BZ)	0.31	0.021	0.0023	ng/g
PCB 147 (BZ)	0.47	B C	0.0024	ng/g
PCB 148 (BZ)	ND	0.021	0.0037	ng/g
PCB 149 (BZ)	0.47	B C147	0.0024	ng/g
PCB 150 (BZ)	ND	0.021	0.0025	ng/g
PCB 151 (BZ)	0.33	C135	0.0037	ng/g
PCB 152 (BZ)	ND	0.021	0.0026	ng/g
PCB 153 (BZ)	1.4	B C	0.0019	ng/g
PCB 154 (BZ)	0.042		0.0030	ng/g
PCB 155 (BZ)	ND	0.021	0.0025	ng/g
PCB 156 (BZ)	0.14	C	0.0024	ng/g
PCB 157 (BZ)	0.14	C156	0.0024	ng/g
PCB 158 (BZ)	0.086		0.0017	ng/g
PCB 159 (BZ)	0.0091	J	0.0019	ng/g
PCB 160 (BZ)	1.4	B C129	0.0022	ng/g
PCB 161 (BZ)	ND	0.021	0.0018	ng/g
PCB 162 (BZ)	0.0095	J	0.0018	ng/g
PCB 163 (BZ)	1.4	B C129	0.0022	ng/g
PCB 164 (BZ)	0.078		0.0019	ng/g
PCB 165 (BZ)	0.0048	J	0.0020	ng/g
PCB 166 (BZ)	0.15	C128	0.0021	ng/g
PCB 167 (BZ)	0.067		0.0013	ng/g
PCB 168 (BZ)	1.4	B C153	0.0019	ng/g
PCB 169 (BZ)	0.0053	Q J	0.0015	ng/g
PCB 170 (BZ)	0.15		0.0020	ng/g
PCB 171 (BZ)	0.038	C	0.0022	ng/g
PCB 172 (BZ)	0.052		0.0022	ng/g
PCB 173 (BZ)	0.038	C171	0.0022	ng/g
PCB 174 (BZ)	0.16		0.0021	ng/g
PCB 175 (BZ)	0.0093	J	0.0020	ng/g
PCB 176 (BZ)	0.014	Q J	0.0015	ng/g
PCB 177 (BZ)	0.15		0.0021	ng/g
PCB 178 (BZ)	0.099		0.0022	ng/g
PCB 179 (BZ)	0.052		0.0016	ng/g
PCB 180 (BZ)	0.56	B C	0.0017	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 003 Work Order #....: M00GP1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.6 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0090	J	0.021	0.0020	ng/g
PCB 182 (BZ)	ND		0.021	0.0019	ng/g
PCB 183 (BZ)	0.17	C	0.021	0.0020	ng/g
PCB 184 (BZ)	ND		0.021	0.0016	ng/g
PCB 185 (BZ)	0.17	C183	0.021	0.0020	ng/g
PCB 186 (BZ)	ND		0.021	0.0016	ng/g
PCB 187 (BZ)	0.56		0.021	0.0018	ng/g
PCB 188 (BZ)	0.0085	J	0.021	0.0016	ng/g
PCB 189 (BZ)	0.010	J	0.021	0.0019	ng/g
PCB 190 (BZ)	0.059		0.021	0.0015	ng/g
PCB 191 (BZ)	0.012	Q J	0.021	0.0015	ng/g
PCB 192 (BZ)	0.0028	Q J	0.021	0.0017	ng/g
PCB 193 (BZ)	0.56	B C180	0.021	0.0017	ng/g
PCB 194 (BZ)	0.073	Q B	0.021	0.0027	ng/g
PCB 195 (BZ)	0.032	Q	0.021	0.0029	ng/g
PCB 196 (BZ)	0.037		0.021	0.0016	ng/g
PCB 197 (BZ)	0.0085	J	0.021	0.0012	ng/g
PCB 198 (BZ)	0.13	C	0.021	0.0016	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.13	C198	0.021	0.0016	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0074	J	0.021	0.0012	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.021		0.021	0.0011	ng/g
PCB 202 (BZ)	0.052		0.021	0.0013	ng/g
PCB 203 (BZ)	0.053		0.021	0.0015	ng/g
PCB 204 (BZ)	ND		0.021	0.0012	ng/g
PCB 205 (BZ)	0.0058	Q J	0.021	0.0023	ng/g
PCB 206 (BZ)	0.040	Q	0.021	0.0038	ng/g
PCB 207 (BZ)	0.0091	Q J	0.021	0.0018	ng/g
PCB 208 (BZ)	0.025		0.021	0.0016	ng/g
PCB 209 (BZ)	0.032		0.021	0.0024	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 003	Work Order #....:	M00GP1AE	Matrix....:	TA
Date Sampled....:	05/22/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.6 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	49	30 - 140
13C12-PCB 3	47	30 - 140
13C12-PCB 4	73	30 - 140
13C12-PCB 15	80	30 - 140
13C12-PCB 19	87	30 - 140
13C12-PCB 37	89	30 - 140
13C12-PCB 54	61	30 - 140
13C12-PCB 77	93	30 - 140
13C12-PCB 81	91	30 - 140
13C12-PCB 104	65	30 - 140
13C12-PCB 105	68	30 - 140
13C12-PCB 114	71	30 - 140
13C12-PCB 118	66	30 - 140
13C12-PCB 123	63	30 - 140
13C12-PCB 126	71	30 - 140
13C12-PCB 155	73	30 - 140
13C12-PCB 156	90	C 30 - 140
13C12-PCB 157	90	C 30 - 140
13C12-PCB 167	90	30 - 140
13C12-PCB 169	88	30 - 140
13C12-PCB 170	78	30 - 140
13C12-PCB 188	67	30 - 140
13C12-PCB 189	109	30 - 140
13C12-PCB 202	86	30 - 140
13C12-PCB 205	69	30 - 140
13C12-PCB 206	65	30 - 140
13C12-PCB 208	99	30 - 140
13C12-PCB 209	58	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	78	40 - 125
13C12-PCB 111	81	40 - 125
13C12-PCB 178	70	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-6(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 003	Work Order #....:	M00GP1AE	Matrix....:	TA
Date Sampled....:	05/22/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.6 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0037	B J	0.020	0.00082	ng/g
PCB 2 (BZ)	ND		0.020	0.00095	ng/g
PCB 3 (BZ)	ND		0.020	0.0011	ng/g
PCB 4 (BZ)	ND		0.040	0.028	ng/g
PCB 5 (BZ)	ND		0.020	0.021	ng/g
PCB 6 (BZ)	ND		0.020	0.019	ng/g
PCB 7 (BZ)	ND		0.020	0.020	ng/g
PCB 8 (BZ)	ND		0.040	0.019	ng/g
PCB 9 (BZ)	ND		0.020	0.020	ng/g
PCB 10 (BZ)	ND		0.020	0.022	ng/g
PCB 11 (BZ)	ND		0.040	0.019	ng/g
PCB 12 (BZ)	ND		0.020	0.020	ng/g
PCB 13 (BZ)	ND		0.020	0.020	ng/g
PCB 14 (BZ)	ND		0.020	0.017	ng/g
PCB 15 (BZ)	ND		0.020	0.020	ng/g
PCB 16 (BZ)	ND		0.020	0.0095	ng/g
PCB 17 (BZ)	ND		0.020	0.0079	ng/g
PCB 18 (BZ)	ND		0.040	0.0070	ng/g
PCB 19 (BZ)	ND		0.020	0.0097	ng/g
PCB 20 (BZ)	0.0082	Q B C J	0.040	0.0028	ng/g
PCB 21 (BZ)	ND		0.020	0.0028	ng/g
PCB 22 (BZ)	ND		0.020	0.0029	ng/g
PCB 23 (BZ)	ND		0.020	0.0029	ng/g
PCB 24 (BZ)	ND		0.020	0.0066	ng/g
PCB 25 (BZ)	ND		0.020	0.0026	ng/g
PCB 26 (BZ)	0.0097	Q C J	0.020	0.0028	ng/g
PCB 27 (BZ)	ND		0.020	0.0057	ng/g
PCB 28 (BZ)	0.0082	Q B C20 J	0.040	0.0028	ng/g
PCB 29 (BZ)	0.0097	Q C26 J	0.020	0.0028	ng/g
PCB 30 (BZ)	ND		0.040	0.0070	ng/g
PCB 31 (BZ)	0.0065	Q B J	0.040	0.0028	ng/g
PCB 32 (BZ)	ND		0.020	0.0056	ng/g
PCB 33 (BZ)	ND		0.020	0.0028	ng/g
PCB 34 (BZ)	ND		0.020	0.0029	ng/g
PCB 35 (BZ)	ND		0.020	0.0030	ng/g
PCB 36 (BZ)	ND		0.020	0.0029	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.020	0.0029	ng/g
PCB 38 (BZ)	ND		0.020	0.0030	ng/g
PCB 39 (BZ)	ND		0.020	0.0027	ng/g
PCB 40 (BZ)	ND		0.020	0.0017	ng/g
PCB 41 (BZ)	ND		0.020	0.0017	ng/g
PCB 42 (BZ)	ND		0.020	0.0018	ng/g
PCB 43 (BZ)	ND		0.020	0.0016	ng/g
PCB 44 (BZ)	0.028	B C	0.020	0.0015	ng/g
PCB 45 (BZ)	ND		0.020	0.0018	ng/g
PCB 46 (BZ)	ND		0.020	0.0021	ng/g
PCB 47 (BZ)	0.028	B C44	0.020	0.0015	ng/g
PCB 48 (BZ)	ND		0.020	0.0017	ng/g
PCB 49 (BZ)	0.014	C J	0.020	0.0014	ng/g
PCB 50 (BZ)	ND		0.020	0.0017	ng/g
PCB 51 (BZ)	ND		0.020	0.0018	ng/g
PCB 52 (BZ)	0.065		0.020	0.0017	ng/g
PCB 53 (BZ)	ND		0.020	0.0017	ng/g
PCB 54 (BZ)	ND		0.020	0.0042	ng/g
PCB 55 (BZ)	ND		0.020	0.0013	ng/g
PCB 56 (BZ)	0.0038	J	0.020	0.0013	ng/g
PCB 57 (BZ)	ND		0.020	0.0013	ng/g
PCB 58 (BZ)	ND		0.020	0.0013	ng/g
PCB 59 (BZ)	ND		0.020	0.0012	ng/g
PCB 60 (BZ)	0.0029	Q J	0.020	0.0013	ng/g
PCB 61 (BZ)	0.038	B C J	0.040	0.0012	ng/g
PCB 62 (BZ)	ND		0.020	0.0012	ng/g
PCB 63 (BZ)	ND		0.020	0.0012	ng/g
PCB 64 (BZ)	ND		0.020	0.0012	ng/g
PCB 65 (BZ)	0.028	B C44	0.020	0.0015	ng/g
PCB 66 (BZ)	0.022	Q	0.020	0.0012	ng/g
PCB 67 (BZ)	ND		0.020	0.0011	ng/g
PCB 68 (BZ)	ND		0.020	0.0012	ng/g
PCB 69 (BZ)	0.014	C49 J	0.020	0.0014	ng/g
PCB 70 (BZ)	0.038	B C61 J	0.040	0.0012	ng/g
PCB 71 (BZ)	ND		0.020	0.0017	ng/g
PCB 72 (BZ)	0.0035	J	0.020	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.020	0.0016	ng/g
PCB 74 (BZ)	0.038	B C61 J	0.040	0.0012	ng/g
PCB 75 (BZ)	ND		0.020	0.0012	ng/g
PCB 76 (BZ)	0.038	B C61 J	0.040	0.0012	ng/g
PCB 77 (BZ)	0.0029	Q J	0.020	0.0012	ng/g
PCB 78 (BZ)	ND		0.020	0.0013	ng/g
PCB 79 (BZ)	ND		0.020	0.0012	ng/g
PCB 80 (BZ)	ND		0.020	0.0011	ng/g
PCB 81 (BZ)	ND		0.020	0.0012	ng/g
PCB 82 (BZ)	ND		0.020	0.0027	ng/g
PCB 83 (BZ)	0.051	C	0.020	0.0022	ng/g
PCB 84 (BZ)	ND		0.020	0.0025	ng/g
PCB 85 (BZ)	0.0086	Q C J	0.020	0.0018	ng/g
PCB 86 (BZ)	0.047	C	0.020	0.0019	ng/g
PCB 87 (BZ)	0.047	C86	0.020	0.0019	ng/g
PCB 88 (BZ)	ND		0.020	0.0023	ng/g
PCB 89 (BZ)	ND		0.020	0.0025	ng/g
PCB 90 (BZ)	0.14	C	0.020	0.0019	ng/g
PCB 91 (BZ)	ND		0.020	0.0023	ng/g
PCB 92 (BZ)	0.028		0.020	0.0022	ng/g
PCB 93 (BZ)	ND		0.020	0.0022	ng/g
PCB 94 (BZ)	ND		0.020	0.0025	ng/g
PCB 95 (BZ)	0.063		0.020	0.0023	ng/g
PCB 96 (BZ)	ND		0.020	0.0018	ng/g
PCB 97 (BZ)	0.047	C86	0.020	0.0019	ng/g
PCB 98 (BZ)	ND		0.020	0.0021	ng/g
PCB 99 (BZ)	0.051	C83	0.020	0.0022	ng/g
PCB 100 (BZ)	ND		0.020	0.0022	ng/g
PCB 101 (BZ)	0.14	C90	0.020	0.0019	ng/g
PCB 102 (BZ)	ND		0.020	0.0021	ng/g
PCB 103 (BZ)	ND		0.020	0.0022	ng/g
PCB 104 (BZ)	ND		0.020	0.0016	ng/g
PCB 105 (BZ)	0.016	J	0.020	0.0010	ng/g
PCB 106 (BZ)	ND		0.020	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0065	Q J	0.020	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0041	C J	0.020	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.047	C86	0.020	ng/g
PCB 110 (BZ)	0.027	B C	0.020	ng/g
PCB 111 (BZ)	ND		0.020	ng/g
PCB 112 (BZ)	ND		0.020	ng/g
PCB 113 (BZ)	0.14	C90	0.020	ng/g
PCB 114 (BZ)	ND		0.020	ng/g
PCB 115 (BZ)	0.027	B C110	0.020	ng/g
PCB 116 (BZ)	0.0086	Q C85 J	0.020	ng/g
PCB 117 (BZ)	0.0086	Q C85 J	0.020	ng/g
PCB 118 (BZ)	0.049	B	0.020	ng/g
PCB 119 (BZ)	0.047	C86	0.020	ng/g
PCB 120 (BZ)	ND		0.020	ng/g
PCB 121 (BZ)	ND		0.020	ng/g
PCB 122 (BZ)	ND		0.020	ng/g
PCB 123 (BZ)	ND		0.020	ng/g
PCB 124 (BZ)	0.0041	C108 J	0.020	ng/g
PCB 125 (BZ)	0.047	C86	0.020	ng/g
PCB 126 (BZ)	ND		0.020	ng/g
PCB 127 (BZ)	ND		0.020	ng/g
PCB 128 (BZ)	0.0069	Q C J	0.020	ng/g
PCB 129 (BZ)	0.079	B C	0.020	ng/g
PCB 130 (BZ)	0.0045	Q J	0.020	ng/g
PCB 131 (BZ)	ND		0.020	ng/g
PCB 132 (BZ)	0.0095	J	0.020	ng/g
PCB 133 (BZ)	ND		0.020	ng/g
PCB 134 (BZ)	0.0044	Q C J	0.020	ng/g
PCB 135 (BZ)	0.047	Q C	0.020	ng/g
PCB 136 (BZ)	ND		0.020	ng/g
PCB 137 (BZ)	ND		0.020	ng/g
PCB 138 (BZ)	0.079	B C129	0.020	ng/g
PCB 139 (BZ)	ND		0.020	ng/g
PCB 140 (BZ)	ND		0.020	ng/g
PCB 141 (BZ)	0.030		0.020	ng/g
PCB 142 (BZ)	ND		0.020	ng/g
PCB 143 (BZ)	0.0044	Q C134 J	0.020	ng/g
PCB 144 (BZ)	0.0093	Q J	0.020	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.020	0.0022	ng/g
PCB 146 (BZ)	0.017	J	0.020	0.0019	ng/g
PCB 147 (BZ)	0.056	B C	0.020	0.0020	ng/g
PCB 148 (BZ)	ND		0.020	0.0031	ng/g
PCB 149 (BZ)	0.056	B C147	0.020	0.0020	ng/g
PCB 150 (BZ)	ND		0.020	0.0022	ng/g
PCB 151 (BZ)	0.047	Q C135	0.020	0.0032	ng/g
PCB 152 (BZ)	ND		0.020	0.0022	ng/g
PCB 153 (BZ)	0.051	B C	0.020	0.0016	ng/g
PCB 154 (BZ)	0.0057	Q J	0.020	0.0026	ng/g
PCB 155 (BZ)	ND		0.020	0.0021	ng/g
PCB 156 (BZ)	0.0053	Q C J	0.020	0.0020	ng/g
PCB 157 (BZ)	0.0053	Q C156 J	0.020	0.0020	ng/g
PCB 158 (BZ)	0.0039	Q J	0.020	0.0015	ng/g
PCB 159 (BZ)	ND		0.020	0.0016	ng/g
PCB 160 (BZ)	0.079	B C129	0.020	0.0018	ng/g
PCB 161 (BZ)	ND		0.020	0.0016	ng/g
PCB 162 (BZ)	ND		0.020	0.0015	ng/g
PCB 163 (BZ)	0.079	B C129	0.020	0.0018	ng/g
PCB 164 (BZ)	0.011	J	0.020	0.0016	ng/g
PCB 165 (BZ)	ND		0.020	0.0017	ng/g
PCB 166 (BZ)	0.0069	Q C128 J	0.020	0.0018	ng/g
PCB 167 (BZ)	0.0036	Q J	0.020	0.0010	ng/g
PCB 168 (BZ)	0.051	B C153	0.020	0.0016	ng/g
PCB 169 (BZ)	ND		0.020	0.0013	ng/g
PCB 170 (BZ)	0.0056	Q J	0.020	0.0018	ng/g
PCB 171 (BZ)	0.0030	Q C J	0.020	0.0019	ng/g
PCB 172 (BZ)	0.0041	Q J	0.020	0.0019	ng/g
PCB 173 (BZ)	0.0030	Q C171 J	0.020	0.0019	ng/g
PCB 174 (BZ)	0.024		0.020	0.0018	ng/g
PCB 175 (BZ)	ND		0.020	0.0017	ng/g
PCB 176 (BZ)	ND		0.020	0.0013	ng/g
PCB 177 (BZ)	0.014	J	0.020	0.0018	ng/g
PCB 178 (BZ)	0.0052	Q J	0.020	0.0018	ng/g
PCB 179 (BZ)	0.0067	Q J	0.020	0.0014	ng/g
PCB 180 (BZ)	0.028	B C	0.020	0.0015	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
 Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.020	0.0017	ng/g
PCB 182 (BZ)	ND		0.020	0.0017	ng/g
PCB 183 (BZ)	0.014	Q C J	0.020	0.0017	ng/g
PCB 184 (BZ)	ND		0.020	0.0014	ng/g
PCB 185 (BZ)	0.014	Q C183 J	0.020	0.0017	ng/g
PCB 186 (BZ)	ND		0.020	0.0014	ng/g
PCB 187 (BZ)	0.056	Q	0.020	0.0016	ng/g
PCB 188 (BZ)	ND		0.020	0.0013	ng/g
PCB 189 (BZ)	ND		0.020	0.0015	ng/g
PCB 190 (BZ)	0.0022	Q J	0.020	0.0013	ng/g
PCB 191 (BZ)	ND		0.020	0.0013	ng/g
PCB 192 (BZ)	ND		0.020	0.0015	ng/g
PCB 193 (BZ)	0.028	B C180	0.020	0.0015	ng/g
PCB 194 (BZ)	ND		0.020	0.0024	ng/g
PCB 195 (BZ)	ND		0.020	0.0026	ng/g
PCB 196 (BZ)	ND		0.020	0.0017	ng/g
PCB 197 (BZ)	ND		0.020	0.0013	ng/g
PCB 198 (BZ)	0.014	C J	0.020	0.0018	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.014	C198 J	0.020	0.0018	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.020	0.0013	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.020	0.0012	ng/g
PCB 202 (BZ)	0.0020	Q J	0.020	0.0014	ng/g
PCB 203 (BZ)	0.0029	Q J	0.020	0.0016	ng/g
PCB 204 (BZ)	ND		0.020	0.0013	ng/g
PCB 205 (BZ)	ND		0.020	0.0020	ng/g
PCB 206 (BZ)	ND		0.020	0.0031	ng/g
PCB 207 (BZ)	ND		0.020	0.0018	ng/g
PCB 208 (BZ)	ND		0.020	0.0017	ng/g
PCB 209 (BZ)	ND		0.020	0.0019	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 004	Work Order #....:	M00GQ1AE	Matrix....:	TA
Date Sampled....:	05/22/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	50	30 - 140
13C12-PCB 3	50	30 - 140
13C12-PCB 4	66	30 - 140
13C12-PCB 15	71	30 - 140
13C12-PCB 19	74	30 - 140
13C12-PCB 37	83	30 - 140
13C12-PCB 54	54	30 - 140
13C12-PCB 77	85	30 - 140
13C12-PCB 81	84	30 - 140
13C12-PCB 104	62	30 - 140
13C12-PCB 105	67	30 - 140
13C12-PCB 114	68	30 - 140
13C12-PCB 118	64	30 - 140
13C12-PCB 123	62	30 - 140
13C12-PCB 126	68	30 - 140
13C12-PCB 155	68	30 - 140
13C12-PCB 156	88	C 30 - 140
13C12-PCB 157	88	C 30 - 140
13C12-PCB 167	86	30 - 140
13C12-PCB 169	77	30 - 140
13C12-PCB 170	72	30 - 140
13C12-PCB 188	66	30 - 140
13C12-PCB 189	99	30 - 140
13C12-PCB 202	77	30 - 140
13C12-PCB 205	68	30 - 140
13C12-PCB 206	69	30 - 140
13C12-PCB 208	95	30 - 140
13C12-PCB 209	74	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	74	40 - 125
13C12-PCB 111	77	40 - 125
13C12-PCB 178	68	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-6(O)****Trace Level Organic Compounds**

Lot - Sample #....: H3E290404 - 004 Work Order #....: M00GQ1AE Matrix....: TA
Date Sampled....: 05/22/13 Date Received....: 05/29/13 Dilution Factor: 2
Prep Date....: 06/21/13 Analysis Date....: 06/28/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
Analyst ID....: Patricia(Trish) M. Parsly

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 005 Work Order #....: M00GR1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.024	0.0011	ng/g
PCB 2 (BZ)	ND	0.024	0.0012	ng/g
PCB 3 (BZ)	ND	0.024	0.0014	ng/g
PCB 4 (BZ)	ND	0.047	0.031	ng/g
PCB 5 (BZ)	ND	0.024	0.023	ng/g
PCB 6 (BZ)	ND	0.024	0.022	ng/g
PCB 7 (BZ)	ND	0.024	0.022	ng/g
PCB 8 (BZ)	ND	0.047	0.021	ng/g
PCB 9 (BZ)	ND	0.024	0.022	ng/g
PCB 10 (BZ)	ND	0.024	0.024	ng/g
PCB 11 (BZ)	ND	0.047	0.021	ng/g
PCB 12 (BZ)	ND	0.024	0.022	ng/g
PCB 13 (BZ)	ND	0.024	0.022	ng/g
PCB 14 (BZ)	ND	0.024	0.019	ng/g
PCB 15 (BZ)	ND	0.024	0.022	ng/g
PCB 16 (BZ)	ND	0.024	0.014	ng/g
PCB 17 (BZ)	ND	0.024	0.011	ng/g
PCB 18 (BZ)	ND	0.047	0.010	ng/g
PCB 19 (BZ)	ND	0.024	0.014	ng/g
PCB 20 (BZ)	0.015	Q B C J	0.0041	ng/g
PCB 21 (BZ)	0.0041	Q B C J	0.0041	ng/g
PCB 22 (BZ)	ND	0.024	0.0041	ng/g
PCB 23 (BZ)	ND	0.024	0.0042	ng/g
PCB 24 (BZ)	ND	0.024	0.0095	ng/g
PCB 25 (BZ)	ND	0.024	0.0038	ng/g
PCB 26 (BZ)	0.016	Q C J	0.0040	ng/g
PCB 27 (BZ)	ND	0.024	0.0082	ng/g
PCB 28 (BZ)	0.015	Q B C20 J	0.0041	ng/g
PCB 29 (BZ)	0.016	Q C26 J	0.0040	ng/g
PCB 30 (BZ)	ND	0.047	0.010	ng/g
PCB 31 (BZ)	0.014	Q B J	0.0040	ng/g
PCB 32 (BZ)	ND	0.024	0.0081	ng/g
PCB 33 (BZ)	0.0041	Q B C21 J	0.0041	ng/g
PCB 34 (BZ)	ND	0.024	0.0041	ng/g
PCB 35 (BZ)	ND	0.024	0.0043	ng/g
PCB 36 (BZ)	ND	0.024	0.0041	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 005 Work Order #....: M00GR1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND	0.024	0.0042	ng/g
PCB 38 (BZ)	ND	0.024	0.0043	ng/g
PCB 39 (BZ)	ND	0.024	0.0039	ng/g
PCB 40 (BZ)	0.0071	Q B C J	0.024	ng/g
PCB 41 (BZ)	0.0071	Q B C40 J	0.024	ng/g
PCB 42 (BZ)	ND	0.024	0.0020	ng/g
PCB 43 (BZ)	ND	0.024	0.0019	ng/g
PCB 44 (BZ)	0.037	B C	0.024	ng/g
PCB 45 (BZ)	ND	0.024	0.0021	ng/g
PCB 46 (BZ)	ND	0.024	0.0024	ng/g
PCB 47 (BZ)	0.037	B C44	0.024	ng/g
PCB 48 (BZ)	ND	0.024	0.0020	ng/g
PCB 49 (BZ)	0.017	Q C J	0.024	ng/g
PCB 50 (BZ)	ND	0.024	0.0019	ng/g
PCB 51 (BZ)	ND	0.024	0.0021	ng/g
PCB 52 (BZ)	0.11		0.024	ng/g
PCB 53 (BZ)	ND	0.024	0.0019	ng/g
PCB 54 (BZ)	ND	0.024	0.0054	ng/g
PCB 55 (BZ)	ND	0.024	0.0015	ng/g
PCB 56 (BZ)	0.010	J	0.024	ng/g
PCB 57 (BZ)	ND	0.024	0.0015	ng/g
PCB 58 (BZ)	ND	0.024	0.0015	ng/g
PCB 59 (BZ)	ND	0.024	0.0014	ng/g
PCB 60 (BZ)	ND	0.024	0.0015	ng/g
PCB 61 (BZ)	0.062	B C	0.047	ng/g
PCB 62 (BZ)	ND	0.024	0.0014	ng/g
PCB 63 (BZ)	ND	0.024	0.0014	ng/g
PCB 64 (BZ)	ND	0.024	0.0013	ng/g
PCB 65 (BZ)	0.037	B C44	0.024	ng/g
PCB 66 (BZ)	0.034		0.024	ng/g
PCB 67 (BZ)	ND	0.024	0.0013	ng/g
PCB 68 (BZ)	0.0034	Q J	0.024	ng/g
PCB 69 (BZ)	0.017	Q C49 J	0.024	ng/g
PCB 70 (BZ)	0.062	B C61	0.047	ng/g
PCB 71 (BZ)	0.0071	Q B C40 J	0.024	ng/g
PCB 72 (BZ)	0.0046	Q J	0.024	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 005 Work Order #....: M00GR1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.024	0.0019	ng/g
PCB 74 (BZ)	0.062	B C61	0.047	0.0014	ng/g
PCB 75 (BZ)	ND		0.024	0.0014	ng/g
PCB 76 (BZ)	0.062	B C61	0.047	0.0014	ng/g
PCB 77 (BZ)	0.0046	Q J	0.024	0.0014	ng/g
PCB 78 (BZ)	ND		0.024	0.0015	ng/g
PCB 79 (BZ)	ND		0.024	0.0013	ng/g
PCB 80 (BZ)	ND		0.024	0.0013	ng/g
PCB 81 (BZ)	ND		0.024	0.0013	ng/g
PCB 82 (BZ)	ND		0.024	0.0032	ng/g
PCB 83 (BZ)	0.082	C	0.024	0.0027	ng/g
PCB 84 (BZ)	ND		0.024	0.0031	ng/g
PCB 85 (BZ)	0.017	C J	0.024	0.0022	ng/g
PCB 86 (BZ)	0.087	C	0.024	0.0023	ng/g
PCB 87 (BZ)	0.087	C86	0.024	0.0023	ng/g
PCB 88 (BZ)	0.0078	C J	0.024	0.0028	ng/g
PCB 89 (BZ)	ND		0.024	0.0030	ng/g
PCB 90 (BZ)	0.25	C	0.024	0.0023	ng/g
PCB 91 (BZ)	0.0078	C88 J	0.024	0.0028	ng/g
PCB 92 (BZ)	0.051		0.024	0.0027	ng/g
PCB 93 (BZ)	ND		0.024	0.0027	ng/g
PCB 94 (BZ)	ND		0.024	0.0030	ng/g
PCB 95 (BZ)	0.10		0.024	0.0028	ng/g
PCB 96 (BZ)	ND		0.024	0.0022	ng/g
PCB 97 (BZ)	0.087	C86	0.024	0.0023	ng/g
PCB 98 (BZ)	ND		0.024	0.0026	ng/g
PCB 99 (BZ)	0.082	C83	0.024	0.0027	ng/g
PCB 100 (BZ)	ND		0.024	0.0027	ng/g
PCB 101 (BZ)	0.25	C90	0.024	0.0023	ng/g
PCB 102 (BZ)	ND		0.024	0.0026	ng/g
PCB 103 (BZ)	ND		0.024	0.0026	ng/g
PCB 104 (BZ)	ND		0.024	0.0020	ng/g
PCB 105 (BZ)	0.026		0.024	0.0011	ng/g
PCB 106 (BZ)	ND		0.024	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0090	Q J	0.024	0.0012	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0075	C J	0.024	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 005 Work Order #....: M00GR1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.087	C86	0.024	ng/g
PCB 110 (BZ)	0.085	Q B C	0.024	ng/g
PCB 111 (BZ)	ND		0.024	ng/g
PCB 112 (BZ)	ND		0.024	ng/g
PCB 113 (BZ)	0.25	C90	0.024	ng/g
PCB 114 (BZ)	ND		0.024	ng/g
PCB 115 (BZ)	0.085	Q B C110	0.024	ng/g
PCB 116 (BZ)	0.017	C85 J	0.024	ng/g
PCB 117 (BZ)	0.017	C85 J	0.024	ng/g
PCB 118 (BZ)	0.081	B	0.024	ng/g
PCB 119 (BZ)	0.087	C86	0.024	ng/g
PCB 120 (BZ)	ND		0.024	ng/g
PCB 121 (BZ)	ND		0.024	ng/g
PCB 122 (BZ)	0.0027	J	0.024	ng/g
PCB 123 (BZ)	0.0011	Q J	0.024	ng/g
PCB 124 (BZ)	0.0075	C108 J	0.024	ng/g
PCB 125 (BZ)	0.087	C86	0.024	ng/g
PCB 126 (BZ)	ND		0.024	ng/g
PCB 127 (BZ)	ND		0.024	ng/g
PCB 128 (BZ)	0.016	C J	0.024	ng/g
PCB 129 (BZ)	0.14	B C	0.024	ng/g
PCB 130 (BZ)	0.0078	Q J	0.024	ng/g
PCB 131 (BZ)	ND		0.024	ng/g
PCB 132 (BZ)	0.016	J	0.024	ng/g
PCB 133 (BZ)	0.0035	J	0.024	ng/g
PCB 134 (BZ)	ND		0.024	ng/g
PCB 135 (BZ)	0.090	C	0.024	ng/g
PCB 136 (BZ)	0.0078	Q J	0.024	ng/g
PCB 137 (BZ)	0.0044	Q J	0.024	ng/g
PCB 138 (BZ)	0.14	B C129	0.024	ng/g
PCB 139 (BZ)	ND		0.024	ng/g
PCB 140 (BZ)	ND		0.024	ng/g
PCB 141 (BZ)	0.053		0.024	ng/g
PCB 142 (BZ)	ND		0.024	ng/g
PCB 143 (BZ)	ND		0.024	ng/g
PCB 144 (BZ)	0.0099	Q J	0.024	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 005 Work Order #....: M00GR1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.024	0.0025	ng/g
PCB 146 (BZ)	0.035	0.024	0.0024	ng/g
PCB 147 (BZ)	0.12	B C	0.0024	ng/g
PCB 148 (BZ)	ND	0.024	0.0035	ng/g
PCB 149 (BZ)	0.12	B C147	0.0024	ng/g
PCB 150 (BZ)	ND	0.024	0.0024	ng/g
PCB 151 (BZ)	0.090	C135	0.0035	ng/g
PCB 152 (BZ)	ND	0.024	0.0025	ng/g
PCB 153 (BZ)	0.094	B C	0.0019	ng/g
PCB 154 (BZ)	0.011	J	0.0029	ng/g
PCB 155 (BZ)	ND	0.024	0.0024	ng/g
PCB 156 (BZ)	0.0084	Q C J	0.0023	ng/g
PCB 157 (BZ)	0.0084	Q C156 J	0.0023	ng/g
PCB 158 (BZ)	0.0079	Q J	0.0018	ng/g
PCB 159 (BZ)	ND	0.024	0.0019	ng/g
PCB 160 (BZ)	0.14	B C129	0.0022	ng/g
PCB 161 (BZ)	ND	0.024	0.0019	ng/g
PCB 162 (BZ)	ND	0.024	0.0019	ng/g
PCB 163 (BZ)	0.14	B C129	0.0022	ng/g
PCB 164 (BZ)	0.019	Q J	0.0020	ng/g
PCB 165 (BZ)	ND	0.024	0.0021	ng/g
PCB 166 (BZ)	0.016	C128 J	0.0022	ng/g
PCB 167 (BZ)	0.0040	Q J	0.0012	ng/g
PCB 168 (BZ)	0.094	B C153	0.0019	ng/g
PCB 169 (BZ)	ND	0.024	0.0020	ng/g
PCB 170 (BZ)	0.0089	Q J	0.0030	ng/g
PCB 171 (BZ)	ND	0.024	0.0025	ng/g
PCB 172 (BZ)	0.0051	Q J	0.0025	ng/g
PCB 173 (BZ)	ND	0.024	0.0025	ng/g
PCB 174 (BZ)	0.040	Q	0.0023	ng/g
PCB 175 (BZ)	ND	0.024	0.0022	ng/g
PCB 176 (BZ)	0.0039	Q J	0.0017	ng/g
PCB 177 (BZ)	0.016	Q J	0.0024	ng/g
PCB 178 (BZ)	0.015	J	0.0024	ng/g
PCB 179 (BZ)	0.011	J	0.0018	ng/g
PCB 180 (BZ)	0.037	B C	0.0019	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 005 Work Order #....: M00GR1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 8.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.024	0.0022	ng/g
PCB 182 (BZ)	ND		0.024	0.0022	ng/g
PCB 183 (BZ)	0.025	C	0.024	0.0022	ng/g
PCB 184 (BZ)	ND		0.024	0.0018	ng/g
PCB 185 (BZ)	0.025	C183	0.024	0.0022	ng/g
PCB 186 (BZ)	ND		0.024	0.0018	ng/g
PCB 187 (BZ)	0.12		0.024	0.0021	ng/g
PCB 188 (BZ)	ND		0.024	0.0015	ng/g
PCB 189 (BZ)	ND		0.024	0.0022	ng/g
PCB 190 (BZ)	ND		0.024	0.0017	ng/g
PCB 191 (BZ)	0.0034	J	0.024	0.0017	ng/g
PCB 192 (BZ)	ND		0.024	0.0019	ng/g
PCB 193 (BZ)	0.037	B C180	0.024	0.0019	ng/g
PCB 194 (BZ)	ND		0.024	0.0041	ng/g
PCB 195 (BZ)	ND		0.024	0.0045	ng/g
PCB 196 (BZ)	ND		0.024	0.0020	ng/g
PCB 197 (BZ)	ND		0.024	0.0015	ng/g
PCB 198 (BZ)	0.012	Q C J	0.024	0.0021	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.012	Q C198 J	0.024	0.0021	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.024	0.0015	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0029	Q J	0.024	0.0014	ng/g
PCB 202 (BZ)	0.0055	J	0.024	0.0016	ng/g
PCB 203 (BZ)	0.0026	J	0.024	0.0019	ng/g
PCB 204 (BZ)	ND		0.024	0.0016	ng/g
PCB 205 (BZ)	ND		0.024	0.0035	ng/g
PCB 206 (BZ)	ND		0.024	0.0061	ng/g
PCB 207 (BZ)	ND		0.024	0.0036	ng/g
PCB 208 (BZ)	ND		0.024	0.0034	ng/g
PCB 209 (BZ)	ND		0.024	0.0042	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 005	Work Order #....:	M00GR1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	8.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
13C12-PCB 1	44		30 - 140
13C12-PCB 3	42		30 - 140
13C12-PCB 4	55		30 - 140
13C12-PCB 15	60		30 - 140
13C12-PCB 19	60		30 - 140
13C12-PCB 37	69		30 - 140
13C12-PCB 54	47		30 - 140
13C12-PCB 77	75		30 - 140
13C12-PCB 81	77		30 - 140
13C12-PCB 104	51		30 - 140
13C12-PCB 105	54		30 - 140
13C12-PCB 114	55		30 - 140
13C12-PCB 118	52		30 - 140
13C12-PCB 123	51		30 - 140
13C12-PCB 126	56		30 - 140
13C12-PCB 155	57		30 - 140
13C12-PCB 156	67	C	30 - 140
13C12-PCB 157	67	C	30 - 140
13C12-PCB 167	68		30 - 140
13C12-PCB 169	46		30 - 140
13C12-PCB 170	50		30 - 140
13C12-PCB 188	61		30 - 140
13C12-PCB 189	91		30 - 140
13C12-PCB 202	72		30 - 140
13C12-PCB 205	57		30 - 140
13C12-PCB 206	56		30 - 140
13C12-PCB 208	77		30 - 140
13C12-PCB 209	56		30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
13C12-PCB 28	63		40 - 125
13C12-PCB 111	66		40 - 125
13C12-PCB 178	62		40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-7(T)****Trace Level Organic Compounds**

Lot - Sample #....: H3E290404 - 005 **Work Order #....:** M00GR1AE **Matrix....:** TA
Date Sampled....: 05/20/13 **Date Received....:** 05/29/13 **Dilution Factor:** 2
Prep Date....: 06/21/13 **Analysis Date....:** 06/28/13
Prep Batch #: 3172043
Initial Wgt/Vol : 8.5 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Patricia(Trish) M. Parsly

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C Co-eluting isomer.
J Estimated Result.
Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 006 Work Order #....: M00GT1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND	0.019	0.0016	ng/g
PCB 2 (BZ)	ND	0.019	0.0018	ng/g
PCB 3 (BZ)	ND	0.019	0.0019	ng/g
PCB 4 (BZ)	ND	0.038	0.023	ng/g
PCB 5 (BZ)	ND	0.019	0.017	ng/g
PCB 6 (BZ)	ND	0.019	0.016	ng/g
PCB 7 (BZ)	ND	0.019	0.017	ng/g
PCB 8 (BZ)	ND	0.038	0.016	ng/g
PCB 9 (BZ)	ND	0.019	0.017	ng/g
PCB 10 (BZ)	ND	0.019	0.018	ng/g
PCB 11 (BZ)	0.055	Q B	0.038	ng/g
PCB 12 (BZ)	0.039	Q B C	0.019	ng/g
PCB 13 (BZ)	0.039	Q B C12	0.019	ng/g
PCB 14 (BZ)	ND	0.019	0.014	ng/g
PCB 15 (BZ)	0.049	Q B	0.019	ng/g
PCB 16 (BZ)	ND	0.019	0.011	ng/g
PCB 17 (BZ)	ND	0.019	0.0094	ng/g
PCB 18 (BZ)	ND	0.038	0.0083	ng/g
PCB 19 (BZ)	ND	0.019	0.011	ng/g
PCB 20 (BZ)	0.29	B C	0.038	ng/g
PCB 21 (BZ)	0.013	Q B C J	0.019	ng/g
PCB 22 (BZ)	0.0066	Q J	0.019	ng/g
PCB 23 (BZ)	ND	0.019	0.0051	ng/g
PCB 24 (BZ)	ND	0.019	0.0078	ng/g
PCB 25 (BZ)	0.033		0.019	ng/g
PCB 26 (BZ)	0.11	C	0.019	ng/g
PCB 27 (BZ)	ND	0.019	0.0068	ng/g
PCB 28 (BZ)	0.29	B C20	0.038	ng/g
PCB 29 (BZ)	0.11	C26	0.019	ng/g
PCB 30 (BZ)	ND	0.038	0.0083	ng/g
PCB 31 (BZ)	0.10	Q B	0.038	ng/g
PCB 32 (BZ)	ND	0.019	0.0066	ng/g
PCB 33 (BZ)	0.013	Q B C21 J	0.019	ng/g
PCB 34 (BZ)	ND	0.019	0.0050	ng/g
PCB 35 (BZ)	ND	0.019	0.0051	ng/g
PCB 36 (BZ)	ND	0.019	0.0049	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 006	Work Order #....:	M00GT1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.032	Q B	0.019	ng/g
PCB 38 (BZ)	ND		0.0052	ng/g
PCB 39 (BZ)	ND		0.0046	ng/g
PCB 40 (BZ)	0.023	Q B C	0.019	ng/g
PCB 41 (BZ)	0.023	Q B C40	0.019	ng/g
PCB 42 (BZ)	0.0061	Q J	0.019	ng/g
PCB 43 (BZ)	ND		0.0026	ng/g
PCB 44 (BZ)	0.36	B C	0.019	ng/g
PCB 45 (BZ)	ND		0.0029	ng/g
PCB 46 (BZ)	ND		0.0034	ng/g
PCB 47 (BZ)	0.36	B C44	0.019	ng/g
PCB 48 (BZ)	0.0099	Q J	0.019	ng/g
PCB 49 (BZ)	0.18	S C	0.019	ng/g
PCB 50 (BZ)	0.011	C J	0.019	ng/g
PCB 51 (BZ)	ND		0.0029	ng/g
PCB 52 (BZ)	0.57		0.0027	ng/g
PCB 53 (BZ)	0.011	C50 J	0.019	ng/g
PCB 54 (BZ)	ND		0.0062	ng/g
PCB 55 (BZ)	0.0026	Q J	0.019	ng/g
PCB 56 (BZ)	0.068		0.0020	ng/g
PCB 57 (BZ)	0.0040	J	0.019	ng/g
PCB 58 (BZ)	0.0034	Q J	0.019	ng/g
PCB 59 (BZ)	0.019	C J	0.019	ng/g
PCB 60 (BZ)	0.039		0.0021	ng/g
PCB 61 (BZ)	0.55	B C	0.038	ng/g
PCB 62 (BZ)	0.019	C59 J	0.019	ng/g
PCB 63 (BZ)	0.029	Q	0.019	ng/g
PCB 64 (BZ)	0.0081	Q J	0.019	ng/g
PCB 65 (BZ)	0.36	B C44	0.019	ng/g
PCB 66 (BZ)	0.68		0.0019	ng/g
PCB 67 (BZ)	0.0060	J	0.019	ng/g
PCB 68 (BZ)	0.030		0.0018	ng/g
PCB 69 (BZ)	0.18	S C49	0.019	ng/g
PCB 70 (BZ)	0.55	B C61	0.038	ng/g
PCB 71 (BZ)	0.023	Q B C40	0.019	ng/g
PCB 72 (BZ)	0.031		0.0020	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 006 Work Order #....: M00GT1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.019	0.0026	ng/g
PCB 74 (BZ)	0.55	B C61	0.038	0.0020	ng/g
PCB 75 (BZ)	0.019	C59 J	0.019	0.0020	ng/g
PCB 76 (BZ)	0.55	B C61	0.038	0.0020	ng/g
PCB 77 (BZ)	0.032		0.019	0.0019	ng/g
PCB 78 (BZ)	ND		0.019	0.0021	ng/g
PCB 79 (BZ)	0.0059	Q J	0.019	0.0018	ng/g
PCB 80 (BZ)	ND		0.019	0.0018	ng/g
PCB 81 (BZ)	ND		0.019	0.0019	ng/g
PCB 82 (BZ)	0.037		0.019	0.0054	ng/g
PCB 83 (BZ)	1.6	C	0.019	0.0045	ng/g
PCB 84 (BZ)	0.034		0.019	0.0051	ng/g
PCB 85 (BZ)	0.27	C	0.019	0.0037	ng/g
PCB 86 (BZ)	0.64	C	0.019	0.0038	ng/g
PCB 87 (BZ)	0.64	C86	0.019	0.0038	ng/g
PCB 88 (BZ)	0.11	C	0.019	0.0046	ng/g
PCB 89 (BZ)	ND		0.019	0.0050	ng/g
PCB 90 (BZ)	1.7	C	0.019	0.0039	ng/g
PCB 91 (BZ)	0.11	C88	0.019	0.0046	ng/g
PCB 92 (BZ)	0.27		0.019	0.0044	ng/g
PCB 93 (BZ)	ND		0.019	0.0044	ng/g
PCB 94 (BZ)	ND		0.019	0.0050	ng/g
PCB 95 (BZ)	0.33		0.019	0.0047	ng/g
PCB 96 (BZ)	ND		0.019	0.0037	ng/g
PCB 97 (BZ)	0.64	C86	0.019	0.0038	ng/g
PCB 98 (BZ)	ND		0.019	0.0043	ng/g
PCB 99 (BZ)	1.6	C83	0.019	0.0045	ng/g
PCB 100 (BZ)	ND		0.019	0.0044	ng/g
PCB 101 (BZ)	1.7	C90	0.019	0.0039	ng/g
PCB 102 (BZ)	ND		0.019	0.0043	ng/g
PCB 103 (BZ)	0.017	Q J	0.019	0.0043	ng/g
PCB 104 (BZ)	ND		0.019	0.0033	ng/g
PCB 105 (BZ)	0.54		0.019	0.0018	ng/g
PCB 106 (BZ)	ND		0.019	0.0020	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.17		0.019	0.0019	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.060	C	0.019	0.0020	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 006 Work Order #....: M00GT1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.64	C86	0.019	0.0038 ng/g
PCB 110 (BZ)	0.69	B C	0.019	0.0033 ng/g
PCB 111 (BZ)	ND		0.019	0.0031 ng/g
PCB 112 (BZ)	ND		0.019	0.0034 ng/g
PCB 113 (BZ)	1.7	C90	0.019	0.0039 ng/g
PCB 114 (BZ)	0.027	Q	0.019	0.0018 ng/g
PCB 115 (BZ)	0.69	B C110	0.019	0.0033 ng/g
PCB 116 (BZ)	0.27	C85	0.019	0.0037 ng/g
PCB 117 (BZ)	0.27	C85	0.019	0.0037 ng/g
PCB 118 (BZ)	2.1	B	0.019	0.0019 ng/g
PCB 119 (BZ)	0.64	C86	0.019	0.0038 ng/g
PCB 120 (BZ)	0.029		0.019	0.0032 ng/g
PCB 121 (BZ)	ND		0.019	0.0032 ng/g
PCB 122 (BZ)	0.013	Q J	0.019	0.0022 ng/g
PCB 123 (BZ)	0.032	Q	0.019	0.0021 ng/g
PCB 124 (BZ)	0.060	C108	0.019	0.0020 ng/g
PCB 125 (BZ)	0.64	C86	0.019	0.0038 ng/g
PCB 126 (BZ)	0.0075	Q J	0.019	0.0019 ng/g
PCB 127 (BZ)	ND		0.019	0.0020 ng/g
PCB 128 (BZ)	0.24	C	0.019	0.0033 ng/g
PCB 129 (BZ)	2.3	B C	0.019	0.0034 ng/g
PCB 130 (BZ)	0.12		0.019	0.0044 ng/g
PCB 131 (BZ)	0.0069	J	0.019	0.0045 ng/g
PCB 132 (BZ)	0.13		0.019	0.0043 ng/g
PCB 133 (BZ)	0.047		0.019	0.0041 ng/g
PCB 134 (BZ)	0.025	Q C	0.019	0.0044 ng/g
PCB 135 (BZ)	0.41	C	0.019	0.0063 ng/g
PCB 136 (BZ)	0.037		0.019	0.0046 ng/g
PCB 137 (BZ)	0.082		0.019	0.0038 ng/g
PCB 138 (BZ)	2.3	B C129	0.019	0.0034 ng/g
PCB 139 (BZ)	0.013	Q C J	0.019	0.0038 ng/g
PCB 140 (BZ)	0.013	Q C139 J	0.019	0.0038 ng/g
PCB 141 (BZ)	0.25		0.019	0.0039 ng/g
PCB 142 (BZ)	ND		0.019	0.0043 ng/g
PCB 143 (BZ)	0.025	Q C134	0.019	0.0044 ng/g
PCB 144 (BZ)	0.047		0.019	0.0059 ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 006	Work Order #....:	M00GT1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.019	0.0044	ng/g
PCB 146 (BZ)	0.46		0.019	0.0036	ng/g
PCB 147 (BZ)	0.82	B C	0.019	0.0036	ng/g
PCB 148 (BZ)	ND		0.019	0.0062	ng/g
PCB 149 (BZ)	0.82	B C147	0.019	0.0036	ng/g
PCB 150 (BZ)	ND		0.019	0.0043	ng/g
PCB 151 (BZ)	0.41	C135	0.019	0.0063	ng/g
PCB 152 (BZ)	ND		0.019	0.0044	ng/g
PCB 153 (BZ)	2.3	B C	0.019	0.0029	ng/g
PCB 154 (BZ)	0.057	Q	0.019	0.0051	ng/g
PCB 155 (BZ)	ND		0.019	0.0042	ng/g
PCB 156 (BZ)	0.21	C	0.019	0.0036	ng/g
PCB 157 (BZ)	0.21	C156	0.019	0.0036	ng/g
PCB 158 (BZ)	0.13	Q	0.019	0.0027	ng/g
PCB 159 (BZ)	0.011	Q J	0.019	0.0029	ng/g
PCB 160 (BZ)	2.3	B C129	0.019	0.0034	ng/g
PCB 161 (BZ)	ND		0.019	0.0029	ng/g
PCB 162 (BZ)	0.012	J	0.019	0.0028	ng/g
PCB 163 (BZ)	2.3	B C129	0.019	0.0034	ng/g
PCB 164 (BZ)	0.11		0.019	0.0030	ng/g
PCB 165 (BZ)	ND		0.019	0.0031	ng/g
PCB 166 (BZ)	0.24	C128	0.019	0.0033	ng/g
PCB 167 (BZ)	0.094		0.019	0.0020	ng/g
PCB 168 (BZ)	2.3	B C153	0.019	0.0029	ng/g
PCB 169 (BZ)	0.0061	Q J	0.019	0.0025	ng/g
PCB 170 (BZ)	0.22		0.019	0.0041	ng/g
PCB 171 (BZ)	0.066	C	0.019	0.0039	ng/g
PCB 172 (BZ)	0.069		0.019	0.0039	ng/g
PCB 173 (BZ)	0.066	C171	0.019	0.0039	ng/g
PCB 174 (BZ)	0.26		0.019	0.0036	ng/g
PCB 175 (BZ)	0.012	Q J	0.019	0.0035	ng/g
PCB 176 (BZ)	0.020		0.019	0.0026	ng/g
PCB 177 (BZ)	0.22		0.019	0.0037	ng/g
PCB 178 (BZ)	0.16		0.019	0.0038	ng/g
PCB 179 (BZ)	0.062		0.019	0.0028	ng/g
PCB 180 (BZ)	0.85	B C	0.019	0.0030	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 006	Work Order #....:	M00GT1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT		UNITS
PCB 181 (BZ)	0.0086	Q J	0.019	0.0035		ng/g
PCB 182 (BZ)	ND		0.019	0.0034		ng/g
PCB 183 (BZ)	0.26	C	0.019	0.0034		ng/g
PCB 184 (BZ)	ND		0.019	0.0029		ng/g
PCB 185 (BZ)	0.26	C183	0.019	0.0034		ng/g
PCB 186 (BZ)	ND		0.019	0.0028		ng/g
PCB 187 (BZ)	0.95		0.019	0.0032		ng/g
PCB 188 (BZ)	0.0087	J	0.019	0.0025		ng/g
PCB 189 (BZ)	0.010	Q J	0.019	0.0029		ng/g
PCB 190 (BZ)	0.056		0.019	0.0027		ng/g
PCB 191 (BZ)	0.011	Q J	0.019	0.0026		ng/g
PCB 192 (BZ)	ND		0.019	0.0030		ng/g
PCB 193 (BZ)	0.85	B C180	0.019	0.0030		ng/g
PCB 194 (BZ)	0.088	Q B	0.019	0.0041		ng/g
PCB 195 (BZ)	0.043		0.019	0.0045		ng/g
PCB 196 (BZ)	0.037		0.019	0.0026		ng/g
PCB 197 (BZ)	0.0098	Q J	0.019	0.0019		ng/g
PCB 198 (BZ)	0.15	C	0.019	0.0027		ng/g
PCB 201 (BZ)/199 (IUPAC)	0.15	C198	0.019	0.0027		ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0071	Q J	0.019	0.0019		ng/g
PCB 200 (BZ)/201 (IUPAC)	0.030		0.019	0.0018		ng/g
PCB 202 (BZ)	0.081		0.019	0.0021		ng/g
PCB 203 (BZ)	0.050	Q	0.019	0.0024		ng/g
PCB 204 (BZ)	ND		0.019	0.0020		ng/g
PCB 205 (BZ)	0.0070	Q J	0.019	0.0035		ng/g
PCB 206 (BZ)	0.077		0.019	0.0067		ng/g
PCB 207 (BZ)	0.022		0.019	0.0036		ng/g
PCB 208 (BZ)	0.060		0.019	0.0032		ng/g
PCB 209 (BZ)	0.074		0.019	0.0041		ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 006 Work Order #....: M00GT1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.5 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Patricia(Trish) M. Parsly

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	42	30 - 140
13C12-PCB 3	37	30 - 140
13C12-PCB 4	62	30 - 140
13C12-PCB 15	68	30 - 140
13C12-PCB 19	67	30 - 140
13C12-PCB 37	75	30 - 140
13C12-PCB 54	49	30 - 140
13C12-PCB 77	90	30 - 140
13C12-PCB 81	84	30 - 140
13C12-PCB 104	59	30 - 140
13C12-PCB 105	63	30 - 140
13C12-PCB 114	63	30 - 140
13C12-PCB 118	56	30 - 140
13C12-PCB 123	55	30 - 140
13C12-PCB 126	62	30 - 140
13C12-PCB 155	63	30 - 140
13C12-PCB 156	79	C
13C12-PCB 157	79	C
13C12-PCB 167	78	30 - 140
13C12-PCB 169	64	30 - 140
13C12-PCB 170	58	30 - 140
13C12-PCB 188	61	30 - 140
13C12-PCB 189	101	30 - 140
13C12-PCB 202	76	30 - 140
13C12-PCB 205	67	30 - 140
13C12-PCB 206	69	30 - 140
13C12-PCB 208	82	30 - 140
13C12-PCB 209	62	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	78	40 - 125
13C12-PCB 111	73	40 - 125
13C12-PCB 178	65	40 - 125

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-7(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 006	Work Order #....:	M00GT1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.5 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).
- S Ion suppression.

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 007	Work Order #....:	M00GV1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.022	0.00031	ng/g
PCB 2 (BZ)	ND		0.022	0.00036	ng/g
PCB 3 (BZ)	ND		0.022	0.00042	ng/g
PCB 4 (BZ)	0.0040	Q J	0.043	0.0031	ng/g
PCB 5 (BZ)	ND		0.022	0.0024	ng/g
PCB 6 (BZ)	0.0022	Q B J	0.022	0.0022	ng/g
PCB 7 (BZ)	0.0013	Q B J	0.022	0.0023	ng/g
PCB 8 (BZ)	0.0033	Q B J	0.043	0.0022	ng/g
PCB 9 (BZ)	0.0014	Q B J	0.022	0.0023	ng/g
PCB 10 (BZ)	ND		0.022	0.0025	ng/g
PCB 11 (BZ)	0.0078	Q B J	0.043	0.0022	ng/g
PCB 12 (BZ)	ND		0.022	0.0023	ng/g
PCB 13 (BZ)	ND		0.022	0.0023	ng/g
PCB 14 (BZ)	ND		0.022	0.0019	ng/g
PCB 15 (BZ)	0.0032	Q B J	0.022	0.0023	ng/g
PCB 16 (BZ)	ND		0.022	0.0015	ng/g
PCB 17 (BZ)	ND		0.022	0.0012	ng/g
PCB 18 (BZ)	0.0047	Q C J	0.043	0.0011	ng/g
PCB 19 (BZ)	ND		0.022	0.0015	ng/g
PCB 20 (BZ)	0.014	B C J	0.043	0.00052	ng/g
PCB 21 (BZ)	0.0022	Q B C J	0.022	0.00052	ng/g
PCB 22 (BZ)	0.0013	Q J	0.022	0.00053	ng/g
PCB 23 (BZ)	ND		0.022	0.00054	ng/g
PCB 24 (BZ)	ND		0.022	0.0010	ng/g
PCB 25 (BZ)	0.0018	Q J	0.022	0.00048	ng/g
PCB 26 (BZ)	0.012	C J	0.022	0.00051	ng/g
PCB 27 (BZ)	ND		0.022	0.00090	ng/g
PCB 28 (BZ)	0.014	B C20 J	0.043	0.00052	ng/g
PCB 29 (BZ)	0.012	C26 J	0.022	0.00051	ng/g
PCB 30 (BZ)	0.0047	Q C18 J	0.043	0.0011	ng/g
PCB 31 (BZ)	0.010	Q B J	0.043	0.00050	ng/g
PCB 32 (BZ)	ND		0.022	0.00088	ng/g
PCB 33 (BZ)	0.0022	Q B C21 J	0.022	0.00052	ng/g
PCB 34 (BZ)	ND		0.022	0.00053	ng/g
PCB 35 (BZ)	ND		0.022	0.00054	ng/g
PCB 36 (BZ)	ND		0.022	0.00052	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 007 Work Order #....: M00GV1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0018	B J	0.022	ng/g
PCB 38 (BZ)	ND		0.00055	ng/g
PCB 39 (BZ)	ND		0.00049	ng/g
PCB 40 (BZ)	0.0044	B C J	0.022	ng/g
PCB 41 (BZ)	0.0044	B C40 J	0.022	ng/g
PCB 42 (BZ)	ND		0.00086	ng/g
PCB 43 (BZ)	ND		0.00079	ng/g
PCB 44 (BZ)	0.029	B C	0.022	ng/g
PCB 45 (BZ)	ND		0.00088	ng/g
PCB 46 (BZ)	ND		0.0010	ng/g
PCB 47 (BZ)	0.029	B C44	0.022	ng/g
PCB 48 (BZ)	0.0017	Q J	0.022	ng/g
PCB 49 (BZ)	0.015	C J	0.022	ng/g
PCB 50 (BZ)	0.0020	C J	0.022	ng/g
PCB 51 (BZ)	ND		0.00088	ng/g
PCB 52 (BZ)	0.085		0.022	ng/g
PCB 53 (BZ)	0.0020	C50 J	0.022	ng/g
PCB 54 (BZ)	ND		0.0018	ng/g
PCB 55 (BZ)	ND		0.00066	ng/g
PCB 56 (BZ)	0.0044	J	0.022	ng/g
PCB 57 (BZ)	ND		0.00062	ng/g
PCB 58 (BZ)	0.00054	Q J	0.022	ng/g
PCB 59 (BZ)	0.0023	Q C J	0.022	ng/g
PCB 60 (BZ)	0.0023	Q J	0.022	ng/g
PCB 61 (BZ)	0.035	B C J	0.043	ng/g
PCB 62 (BZ)	0.0023	Q C59 J	0.022	ng/g
PCB 63 (BZ)	ND		0.00058	ng/g
PCB 64 (BZ)	ND		0.00057	ng/g
PCB 65 (BZ)	0.029	B C44	0.022	ng/g
PCB 66 (BZ)	0.024		0.00060	ng/g
PCB 67 (BZ)	ND		0.00056	ng/g
PCB 68 (BZ)	ND		0.00057	ng/g
PCB 69 (BZ)	0.015	C49 J	0.022	ng/g
PCB 70 (BZ)	0.035	B C61 J	0.043	ng/g
PCB 71 (BZ)	0.0044	B C40 J	0.022	ng/g
PCB 72 (BZ)	0.0034	J	0.022	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 007	Work Order #....:	M00GV1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.022	0.00079	ng/g
PCB 74 (BZ)	0.035	B C61 J	0.043	0.00060	ng/g
PCB 75 (BZ)	0.0023	Q C59 J	0.022	0.00060	ng/g
PCB 76 (BZ)	0.035	B C61 J	0.043	0.00060	ng/g
PCB 77 (BZ)	0.0015	Q J	0.022	0.00058	ng/g
PCB 78 (BZ)	ND		0.022	0.00065	ng/g
PCB 79 (BZ)	ND		0.022	0.00057	ng/g
PCB 80 (BZ)	ND		0.022	0.00055	ng/g
PCB 81 (BZ)	ND		0.022	0.00059	ng/g
PCB 82 (BZ)	ND		0.022	0.0014	ng/g
PCB 83 (BZ)	0.046	C	0.022	0.0012	ng/g
PCB 84 (BZ)	0.0037	Q J	0.022	0.0014	ng/g
PCB 85 (BZ)	0.011	C J	0.022	0.0010	ng/g
PCB 86 (BZ)	0.044	C	0.022	0.0010	ng/g
PCB 87 (BZ)	0.044	C86	0.022	0.0010	ng/g
PCB 88 (BZ)	0.0065	C J	0.022	0.0012	ng/g
PCB 89 (BZ)	ND		0.022	0.0013	ng/g
PCB 90 (BZ)	0.14	C	0.022	0.0010	ng/g
PCB 91 (BZ)	0.0065	C88 J	0.022	0.0012	ng/g
PCB 92 (BZ)	0.027	Q	0.022	0.0012	ng/g
PCB 93 (BZ)	ND		0.022	0.0012	ng/g
PCB 94 (BZ)	ND		0.022	0.0013	ng/g
PCB 95 (BZ)	0.070		0.022	0.0013	ng/g
PCB 96 (BZ)	ND		0.022	0.00099	ng/g
PCB 97 (BZ)	0.044	C86	0.022	0.0010	ng/g
PCB 98 (BZ)	ND		0.022	0.0011	ng/g
PCB 99 (BZ)	0.046	C83	0.022	0.0012	ng/g
PCB 100 (BZ)	ND		0.022	0.0012	ng/g
PCB 101 (BZ)	0.14	C90	0.022	0.0010	ng/g
PCB 102 (BZ)	ND		0.022	0.0011	ng/g
PCB 103 (BZ)	ND		0.022	0.0012	ng/g
PCB 104 (BZ)	ND		0.022	0.00089	ng/g
PCB 105 (BZ)	0.014	J	0.022	0.00066	ng/g
PCB 106 (BZ)	ND		0.022	0.00068	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0057	J	0.022	0.00066	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0048	C J	0.022	0.00070	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 007 Work Order #....: M00GV1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.044	C86	0.0010	ng/g
PCB 110 (BZ)	0.028	B C	0.00088	ng/g
PCB 111 (BZ)	ND		0.00083	ng/g
PCB 112 (BZ)	ND		0.00090	ng/g
PCB 113 (BZ)	0.14	C90	0.0010	ng/g
PCB 114 (BZ)	ND		0.00060	ng/g
PCB 115 (BZ)	0.028	B C110	0.00088	ng/g
PCB 116 (BZ)	0.011	C85 J	0.0010	ng/g
PCB 117 (BZ)	0.011	C85 J	0.0010	ng/g
PCB 118 (BZ)	0.051	B	0.00064	ng/g
PCB 119 (BZ)	0.044	C86	0.0010	ng/g
PCB 120 (BZ)	ND		0.00086	ng/g
PCB 121 (BZ)	ND		0.00086	ng/g
PCB 122 (BZ)	ND		0.00074	ng/g
PCB 123 (BZ)	0.0018	Q J	0.00068	ng/g
PCB 124 (BZ)	0.0048	C108 J	0.00070	ng/g
PCB 125 (BZ)	0.044	C86	0.0010	ng/g
PCB 126 (BZ)	0.00067	J	0.00069	ng/g
PCB 127 (BZ)	ND		0.00067	ng/g
PCB 128 (BZ)	0.0097	C J	0.0011	ng/g
PCB 129 (BZ)	0.087	B C	0.0012	ng/g
PCB 130 (BZ)	0.0067	J	0.0015	ng/g
PCB 131 (BZ)	ND		0.0016	ng/g
PCB 132 (BZ)	0.010	Q J	0.0015	ng/g
PCB 133 (BZ)	ND		0.0014	ng/g
PCB 134 (BZ)	0.0030	C J	0.0015	ng/g
PCB 135 (BZ)	0.066	C	0.0019	ng/g
PCB 136 (BZ)	0.0067	J	0.0014	ng/g
PCB 137 (BZ)	0.0031	Q J	0.0013	ng/g
PCB 138 (BZ)	0.087	B C129	0.0012	ng/g
PCB 139 (BZ)	ND		0.0013	ng/g
PCB 140 (BZ)	ND		0.0013	ng/g
PCB 141 (BZ)	0.035		0.0014	ng/g
PCB 142 (BZ)	ND		0.0015	ng/g
PCB 143 (BZ)	0.0030	C134 J	0.0015	ng/g
PCB 144 (BZ)	0.0080	J	0.0017	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 007	Work Order #....:	M00GV1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.022	0.0013	ng/g
PCB 146 (BZ)	0.024	0.022	0.0012	ng/g
PCB 147 (BZ)	0.075	B C	0.0013	ng/g
PCB 148 (BZ)	ND	0.022	0.0018	ng/g
PCB 149 (BZ)	0.075	B C147	0.0013	ng/g
PCB 150 (BZ)	ND	0.022	0.0013	ng/g
PCB 151 (BZ)	0.066	C135	0.0019	ng/g
PCB 152 (BZ)	ND	0.022	0.0013	ng/g
PCB 153 (BZ)	0.059	B C	0.0010	ng/g
PCB 154 (BZ)	0.0012	Q J	0.0015	ng/g
PCB 155 (BZ)	ND	0.022	0.0013	ng/g
PCB 156 (BZ)	0.0066	C J	0.0013	ng/g
PCB 157 (BZ)	0.0066	C156 J	0.0013	ng/g
PCB 158 (BZ)	0.0061	J	0.00092	ng/g
PCB 159 (BZ)	ND	0.022	0.00099	ng/g
PCB 160 (BZ)	0.087	B C129	0.0012	ng/g
PCB 161 (BZ)	ND	0.022	0.00099	ng/g
PCB 162 (BZ)	ND	0.022	0.00098	ng/g
PCB 163 (BZ)	0.087	B C129	0.0012	ng/g
PCB 164 (BZ)	0.015	J	0.0010	ng/g
PCB 165 (BZ)	ND	0.022	0.0011	ng/g
PCB 166 (BZ)	0.0097	C128 J	0.0011	ng/g
PCB 167 (BZ)	0.0028	Q J	0.00074	ng/g
PCB 168 (BZ)	0.059	B C153	0.0010	ng/g
PCB 169 (BZ)	ND	0.022	0.00073	ng/g
PCB 170 (BZ)	0.0074	J	0.0011	ng/g
PCB 171 (BZ)	0.0022	Q C J	0.0011	ng/g
PCB 172 (BZ)	0.0043	J	0.0011	ng/g
PCB 173 (BZ)	0.0022	Q C171 J	0.0011	ng/g
PCB 174 (BZ)	0.028	0.022	0.0011	ng/g
PCB 175 (BZ)	ND	0.022	0.0010	ng/g
PCB 176 (BZ)	0.0021	J	0.00078	ng/g
PCB 177 (BZ)	0.011	J	0.0011	ng/g
PCB 178 (BZ)	0.0082	J	0.0011	ng/g
PCB 179 (BZ)	0.0065	J	0.00082	ng/g
PCB 180 (BZ)	0.025	B C	0.00086	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 007 Work Order #....: M00GV1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.2 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.022	0.0010	ng/g
PCB 182 (BZ)	ND		0.022	0.00099	ng/g
PCB 183 (BZ)	0.014	C J	0.022	0.0010	ng/g
PCB 184 (BZ)	ND		0.022	0.00084	ng/g
PCB 185 (BZ)	0.014	C183 J	0.022	0.0010	ng/g
PCB 186 (BZ)	ND		0.022	0.00082	ng/g
PCB 187 (BZ)	0.071		0.022	0.00095	ng/g
PCB 188 (BZ)	ND		0.022	0.00077	ng/g
PCB 189 (BZ)	ND		0.022	0.00090	ng/g
PCB 190 (BZ)	0.0022	Q J	0.022	0.00079	ng/g
PCB 191 (BZ)	0.0015	Q J	0.022	0.00078	ng/g
PCB 192 (BZ)	ND		0.022	0.00087	ng/g
PCB 193 (BZ)	0.025	B C180	0.022	0.00086	ng/g
PCB 194 (BZ)	ND		0.022	0.0014	ng/g
PCB 195 (BZ)	ND		0.022	0.0015	ng/g
PCB 196 (BZ)	ND		0.022	0.00099	ng/g
PCB 197 (BZ)	ND		0.022	0.00073	ng/g
PCB 198 (BZ)	0.017	Q C J	0.022	0.0010	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.017	Q C198 J	0.022	0.0010	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.022	0.00072	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.022	0.00070	ng/g
PCB 202 (BZ)	0.0021	Q J	0.022	0.00078	ng/g
PCB 203 (BZ)	0.0035	Q J	0.022	0.00091	ng/g
PCB 204 (BZ)	ND		0.022	0.00076	ng/g
PCB 205 (BZ)	ND		0.022	0.0012	ng/g
PCB 206 (BZ)	0.0047	Q J	0.022	0.0012	ng/g
PCB 207 (BZ)	ND		0.022	0.00072	ng/g
PCB 208 (BZ)	0.0029	Q J	0.022	0.00067	ng/g
PCB 209 (BZ)	0.0050	Q J	0.022	0.00084	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 007	Work Order #....:	M00GV1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	59	30 - 140
13C12-PCB 3	57	30 - 140
13C12-PCB 4	69	30 - 140
13C12-PCB 15	70	30 - 140
13C12-PCB 19	73	30 - 140
13C12-PCB 37	72	30 - 140
13C12-PCB 54	53	30 - 140
13C12-PCB 77	82	30 - 140
13C12-PCB 81	79	30 - 140
13C12-PCB 104	71	30 - 140
13C12-PCB 105	71	30 - 140
13C12-PCB 114	71	30 - 140
13C12-PCB 118	69	30 - 140
13C12-PCB 123	68	30 - 140
13C12-PCB 126	70	30 - 140
13C12-PCB 155	71	30 - 140
13C12-PCB 156	89	C 30 - 140
13C12-PCB 157	89	C 30 - 140
13C12-PCB 167	85	30 - 140
13C12-PCB 169	88	30 - 140
13C12-PCB 170	83	30 - 140
13C12-PCB 188	76	30 - 140
13C12-PCB 189	97	30 - 140
13C12-PCB 202	82	30 - 140
13C12-PCB 205	68	30 - 140
13C12-PCB 206	89	30 - 140
13C12-PCB 208	118	30 - 140
13C12-PCB 209	99	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	74	40 - 125
13C12-PCB 111	79	40 - 125
13C12-PCB 178	69	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-8(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 007	Work Order #....:	M00GV1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.2 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 008 Work Order #....: M00GW1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0013	Q B J	0.019	0.00069	ng/g
PCB 2 (BZ)	ND		0.019	0.00077	ng/g
PCB 3 (BZ)	ND		0.019	0.00086	ng/g
PCB 4 (BZ)	ND		0.039	0.0058	ng/g
PCB 5 (BZ)	ND		0.019	0.0043	ng/g
PCB 6 (BZ)	ND		0.019	0.0040	ng/g
PCB 7 (BZ)	ND		0.019	0.0041	ng/g
PCB 8 (BZ)	ND		0.039	0.0039	ng/g
PCB 9 (BZ)	ND		0.019	0.0041	ng/g
PCB 10 (BZ)	ND		0.019	0.0045	ng/g
PCB 11 (BZ)	0.040	Q B	0.039	0.0039	ng/g
PCB 12 (BZ)	ND		0.019	0.0040	ng/g
PCB 13 (BZ)	ND		0.019	0.0040	ng/g
PCB 14 (BZ)	ND		0.019	0.0035	ng/g
PCB 15 (BZ)	0.032	B	0.019	0.0040	ng/g
PCB 16 (BZ)	ND		0.019	0.0037	ng/g
PCB 17 (BZ)	ND		0.019	0.0031	ng/g
PCB 18 (BZ)	0.036	C J	0.039	0.0027	ng/g
PCB 19 (BZ)	ND		0.019	0.0037	ng/g
PCB 20 (BZ)	0.23	B C	0.039	0.00080	ng/g
PCB 21 (BZ)	0.011	B C J	0.019	0.00080	ng/g
PCB 22 (BZ)	0.0089	J	0.019	0.00082	ng/g
PCB 23 (BZ)	ND		0.019	0.00083	ng/g
PCB 24 (BZ)	ND		0.019	0.0026	ng/g
PCB 25 (BZ)	0.019	Q J	0.019	0.00074	ng/g
PCB 26 (BZ)	0.087	C	0.019	0.00079	ng/g
PCB 27 (BZ)	ND		0.019	0.0022	ng/g
PCB 28 (BZ)	0.23	B C20	0.039	0.00080	ng/g
PCB 29 (BZ)	0.087	C26	0.019	0.00079	ng/g
PCB 30 (BZ)	0.036	C18 J	0.039	0.0027	ng/g
PCB 31 (BZ)	0.10	B	0.039	0.00078	ng/g
PCB 32 (BZ)	ND		0.019	0.0022	ng/g
PCB 33 (BZ)	0.011	B C21 J	0.019	0.00080	ng/g
PCB 34 (BZ)	0.0022	J	0.019	0.00082	ng/g
PCB 35 (BZ)	0.0026	J	0.019	0.00084	ng/g
PCB 36 (BZ)	ND		0.019	0.00081	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 008 Work Order #....: M00GW1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.032	B	0.019	0.00083	ng/g
PCB 38 (BZ)	ND		0.019	0.00086	ng/g
PCB 39 (BZ)	ND		0.019	0.00076	ng/g
PCB 40 (BZ)	0.026	B C	0.019	0.0010	ng/g
PCB 41 (BZ)	0.026	B C40	0.019	0.0010	ng/g
PCB 42 (BZ)	0.011	J	0.019	0.0011	ng/g
PCB 43 (BZ)	0.0091	Q C J	0.019	0.00097	ng/g
PCB 44 (BZ)	0.33	B C	0.019	0.00093	ng/g
PCB 45 (BZ)	0.0026	Q C J	0.019	0.0011	ng/g
PCB 46 (BZ)	ND		0.019	0.0013	ng/g
PCB 47 (BZ)	0.33	B C44	0.019	0.00093	ng/g
PCB 48 (BZ)	0.0096	J	0.019	0.0010	ng/g
PCB 49 (BZ)	0.14	C	0.019	0.00086	ng/g
PCB 50 (BZ)	0.011	C J	0.019	0.0010	ng/g
PCB 51 (BZ)	0.0026	Q C45 J	0.019	0.0011	ng/g
PCB 52 (BZ)	0.50		0.019	0.0010	ng/g
PCB 53 (BZ)	0.011	C50 J	0.019	0.0010	ng/g
PCB 54 (BZ)	ND		0.019	0.0039	ng/g
PCB 55 (BZ)	0.0065	J	0.019	0.00081	ng/g
PCB 56 (BZ)	0.040		0.019	0.00076	ng/g
PCB 57 (BZ)	0.0052	J	0.019	0.00077	ng/g
PCB 58 (BZ)	0.0026	J	0.019	0.00076	ng/g
PCB 59 (BZ)	0.024	C	0.019	0.00074	ng/g
PCB 60 (BZ)	0.031		0.019	0.00078	ng/g
PCB 61 (BZ)	0.38	B C	0.039	0.00074	ng/g
PCB 62 (BZ)	0.024	C59	0.019	0.00074	ng/g
PCB 63 (BZ)	0.033		0.019	0.00071	ng/g
PCB 64 (BZ)	0.012	J	0.019	0.00070	ng/g
PCB 65 (BZ)	0.33	B C44	0.019	0.00093	ng/g
PCB 66 (BZ)	0.47		0.019	0.00073	ng/g
PCB 67 (BZ)	0.0068	Q J	0.019	0.00069	ng/g
PCB 68 (BZ)	0.029		0.019	0.00069	ng/g
PCB 69 (BZ)	0.14	C49	0.019	0.00086	ng/g
PCB 70 (BZ)	0.38	B C61	0.039	0.00074	ng/g
PCB 71 (BZ)	0.026	B C40	0.019	0.0010	ng/g
PCB 72 (BZ)	0.039		0.019	0.00075	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 008	Work Order #....:	M00GW1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0091	Q C43 J	0.00097	ng/g
PCB 74 (BZ)	0.38	B C61	0.00074	ng/g
PCB 75 (BZ)	0.024	C59	0.00074	ng/g
PCB 76 (BZ)	0.38	B C61	0.00074	ng/g
PCB 77 (BZ)	0.025		0.00072	ng/g
PCB 78 (BZ)	ND		0.00079	ng/g
PCB 79 (BZ)	0.0074	J	0.00070	ng/g
PCB 80 (BZ)	ND		0.00068	ng/g
PCB 81 (BZ)	0.0015	Q J	0.00071	ng/g
PCB 82 (BZ)	0.014	J	0.0024	ng/g
PCB 83 (BZ)	1.3	C	0.0020	ng/g
PCB 84 (BZ)	0.034		0.0023	ng/g
PCB 85 (BZ)	0.24	C	0.0017	ng/g
PCB 86 (BZ)	0.48	C	0.0017	ng/g
PCB 87 (BZ)	0.48	C86	0.0017	ng/g
PCB 88 (BZ)	0.11	C	0.0021	ng/g
PCB 89 (BZ)	ND		0.0023	ng/g
PCB 90 (BZ)	1.4	C	0.0018	ng/g
PCB 91 (BZ)	0.11	C88	0.0021	ng/g
PCB 92 (BZ)	0.30		0.0020	ng/g
PCB 93 (BZ)	0.0022	Q C J	0.0020	ng/g
PCB 94 (BZ)	ND		0.0023	ng/g
PCB 95 (BZ)	0.33		0.0021	ng/g
PCB 96 (BZ)	ND		0.0017	ng/g
PCB 97 (BZ)	0.48	C86	0.0017	ng/g
PCB 98 (BZ)	0.0059	Q C J	0.0019	ng/g
PCB 99 (BZ)	1.3	C83	0.0020	ng/g
PCB 100 (BZ)	0.0022	Q C93 J	0.0020	ng/g
PCB 101 (BZ)	1.4	C90	0.0018	ng/g
PCB 102 (BZ)	0.0059	Q C98 J	0.0019	ng/g
PCB 103 (BZ)	0.023	Q	0.0020	ng/g
PCB 104 (BZ)	ND		0.0015	ng/g
PCB 105 (BZ)	0.31		0.00081	ng/g
PCB 106 (BZ)	ND		0.00089	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.13		0.00087	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.048	C	0.00091	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 008 Work Order #....: M00GW1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.48	C86	0.019	0.0017	ng/g
PCB 110 (BZ)	0.33	B C	0.019	0.0015	ng/g
PCB 111 (BZ)	0.0095	J	0.019	0.0014	ng/g
PCB 112 (BZ)	ND		0.019	0.0015	ng/g
PCB 113 (BZ)	1.4	C90	0.019	0.0018	ng/g
PCB 114 (BZ)	0.024	Q	0.019	0.00081	ng/g
PCB 115 (BZ)	0.33	B C110	0.019	0.0015	ng/g
PCB 116 (BZ)	0.24	C85	0.019	0.0017	ng/g
PCB 117 (BZ)	0.24	C85	0.019	0.0017	ng/g
PCB 118 (BZ)	1.3	B	0.019	0.00088	ng/g
PCB 119 (BZ)	0.48	C86	0.019	0.0017	ng/g
PCB 120 (BZ)	0.026		0.019	0.0015	ng/g
PCB 121 (BZ)	ND		0.019	0.0015	ng/g
PCB 122 (BZ)	0.013	Q J	0.019	0.00097	ng/g
PCB 123 (BZ)	0.025		0.019	0.00090	ng/g
PCB 124 (BZ)	0.048	C108	0.019	0.00091	ng/g
PCB 125 (BZ)	0.48	C86	0.019	0.0017	ng/g
PCB 126 (BZ)	0.0078	Q J	0.019	0.00088	ng/g
PCB 127 (BZ)	0.0030	Q J	0.019	0.00088	ng/g
PCB 128 (BZ)	0.19	C	0.019	0.0015	ng/g
PCB 129 (BZ)	1.6	B C	0.019	0.0015	ng/g
PCB 130 (BZ)	0.097		0.019	0.0020	ng/g
PCB 131 (BZ)	0.0041	Q J	0.019	0.0020	ng/g
PCB 132 (BZ)	0.11		0.019	0.0019	ng/g
PCB 133 (BZ)	0.050		0.019	0.0018	ng/g
PCB 134 (BZ)	0.025	C	0.019	0.0020	ng/g
PCB 135 (BZ)	0.39	C	0.019	0.0030	ng/g
PCB 136 (BZ)	0.045	Q	0.019	0.0022	ng/g
PCB 137 (BZ)	0.077		0.019	0.0017	ng/g
PCB 138 (BZ)	1.6	B C129	0.019	0.0015	ng/g
PCB 139 (BZ)	0.016	C J	0.019	0.0017	ng/g
PCB 140 (BZ)	0.016	C139 J	0.019	0.0017	ng/g
PCB 141 (BZ)	0.19		0.019	0.0017	ng/g
PCB 142 (BZ)	ND		0.019	0.0019	ng/g
PCB 143 (BZ)	0.025	C134	0.019	0.0020	ng/g
PCB 144 (BZ)	0.044		0.019	0.0028	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 008	Work Order #....:	M00GW1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.019	0.0021	ng/g
PCB 146 (BZ)	0.37		0.019	0.0016	ng/g
PCB 147 (BZ)	0.64	B C	0.019	0.0016	ng/g
PCB 148 (BZ)	0.0085	J	0.019	0.0030	ng/g
PCB 149 (BZ)	0.64	B C147	0.019	0.0016	ng/g
PCB 150 (BZ)	ND		0.019	0.0021	ng/g
PCB 151 (BZ)	0.39	C135	0.019	0.0030	ng/g
PCB 152 (BZ)	ND		0.019	0.0021	ng/g
PCB 153 (BZ)	1.7	B C	0.019	0.0013	ng/g
PCB 154 (BZ)	0.047		0.019	0.0024	ng/g
PCB 155 (BZ)	ND		0.019	0.0020	ng/g
PCB 156 (BZ)	0.17	C	0.019	0.0017	ng/g
PCB 157 (BZ)	0.17	C156	0.019	0.0017	ng/g
PCB 158 (BZ)	0.10		0.019	0.0012	ng/g
PCB 159 (BZ)	0.0096	J	0.019	0.0013	ng/g
PCB 160 (BZ)	1.6	B C129	0.019	0.0015	ng/g
PCB 161 (BZ)	ND		0.019	0.0013	ng/g
PCB 162 (BZ)	0.010	J	0.019	0.0013	ng/g
PCB 163 (BZ)	1.6	B C129	0.019	0.0015	ng/g
PCB 164 (BZ)	0.089		0.019	0.0013	ng/g
PCB 165 (BZ)	0.0048	Q J	0.019	0.0014	ng/g
PCB 166 (BZ)	0.19	C128	0.019	0.0015	ng/g
PCB 167 (BZ)	0.083		0.019	0.00094	ng/g
PCB 168 (BZ)	1.7	B C153	0.019	0.0013	ng/g
PCB 169 (BZ)	0.0043	Q J	0.019	0.00093	ng/g
PCB 170 (BZ)	0.18		0.019	0.0013	ng/g
PCB 171 (BZ)	0.046	C	0.019	0.0014	ng/g
PCB 172 (BZ)	0.051	Q	0.019	0.0014	ng/g
PCB 173 (BZ)	0.046	C171	0.019	0.0014	ng/g
PCB 174 (BZ)	0.18		0.019	0.0013	ng/g
PCB 175 (BZ)	0.011	J	0.019	0.0013	ng/g
PCB 176 (BZ)	0.017	J	0.019	0.00096	ng/g
PCB 177 (BZ)	0.16		0.019	0.0013	ng/g
PCB 178 (BZ)	0.11		0.019	0.0014	ng/g
PCB 179 (BZ)	0.063		0.019	0.0010	ng/g
PCB 180 (BZ)	0.63	B C	0.019	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 008	Work Order #....:	M00GW1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0078	J	0.019	0.0013	ng/g
PCB 182 (BZ)	ND		0.019	0.0012	ng/g
PCB 183 (BZ)	0.18	C	0.019	0.0013	ng/g
PCB 184 (BZ)	ND		0.019	0.0010	ng/g
PCB 185 (BZ)	0.18	C183	0.019	0.0013	ng/g
PCB 186 (BZ)	ND		0.019	0.0010	ng/g
PCB 187 (BZ)	0.65		0.019	0.0012	ng/g
PCB 188 (BZ)	0.0095	Q J	0.019	0.00096	ng/g
PCB 189 (BZ)	0.013	Q J	0.019	0.0014	ng/g
PCB 190 (BZ)	0.058		0.019	0.00098	ng/g
PCB 191 (BZ)	0.014	J	0.019	0.00096	ng/g
PCB 192 (BZ)	0.0038	J	0.019	0.0011	ng/g
PCB 193 (BZ)	0.63	B C180	0.019	0.0011	ng/g
PCB 194 (BZ)	0.093	B	0.019	0.0015	ng/g
PCB 195 (BZ)	0.037		0.019	0.0016	ng/g
PCB 196 (BZ)	0.061		0.019	0.0011	ng/g
PCB 197 (BZ)	0.012	J	0.019	0.00080	ng/g
PCB 198 (BZ)	0.21	C	0.019	0.0011	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.21	C198	0.019	0.0011	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0063	Q J	0.019	0.00079	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.034		0.019	0.00076	ng/g
PCB 202 (BZ)	0.085		0.019	0.00086	ng/g
PCB 203 (BZ)	0.082		0.019	0.0010	ng/g
PCB 204 (BZ)	ND		0.019	0.00084	ng/g
PCB 205 (BZ)	0.0066	Q J	0.019	0.0013	ng/g
PCB 206 (BZ)	0.091		0.019	0.0019	ng/g
PCB 207 (BZ)	0.016	Q J	0.019	0.00096	ng/g
PCB 208 (BZ)	0.061		0.019	0.00082	ng/g
PCB 209 (BZ)	0.083		0.019	0.0014	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 008	Work Order #....:	M00GW1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	54	30 - 140
13C12-PCB 3	52	30 - 140
13C12-PCB 4	75	30 - 140
13C12-PCB 15	78	30 - 140
13C12-PCB 19	80	30 - 140
13C12-PCB 37	88	30 - 140
13C12-PCB 54	54	30 - 140
13C12-PCB 77	97	30 - 140
13C12-PCB 81	96	30 - 140
13C12-PCB 104	66	30 - 140
13C12-PCB 105	73	30 - 140
13C12-PCB 114	74	30 - 140
13C12-PCB 118	70	30 - 140
13C12-PCB 123	69	30 - 140
13C12-PCB 126	73	30 - 140
13C12-PCB 155	69	30 - 140
13C12-PCB 156	92	C 30 - 140
13C12-PCB 157	92	C 30 - 140
13C12-PCB 167	88	30 - 140
13C12-PCB 169	91	30 - 140
13C12-PCB 170	86	30 - 140
13C12-PCB 188	74	30 - 140
13C12-PCB 189	95	30 - 140
13C12-PCB 202	82	30 - 140
13C12-PCB 205	74	30 - 140
13C12-PCB 206	80	30 - 140
13C12-PCB 208	106	30 - 140
13C12-PCB 209	93	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	78	40 - 125
13C12-PCB 111	85	40 - 125
13C12-PCB 178	72	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-8(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 008	Work Order #....:	M00GW1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 009	Work Order #....:	M00GX1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00057	Q B J	0.022	0.00034	ng/g
PCB 2 (BZ)	ND		0.022	0.00037	ng/g
PCB 3 (BZ)	ND		0.022	0.00041	ng/g
PCB 4 (BZ)	0.0035	Q J	0.043	0.0031	ng/g
PCB 5 (BZ)	ND		0.022	0.0022	ng/g
PCB 6 (BZ)	ND		0.022	0.0021	ng/g
PCB 7 (BZ)	ND		0.022	0.0022	ng/g
PCB 8 (BZ)	0.0041	Q B J	0.043	0.0021	ng/g
PCB 9 (BZ)	ND		0.022	0.0022	ng/g
PCB 10 (BZ)	ND		0.022	0.0023	ng/g
PCB 11 (BZ)	0.0098	Q B J	0.043	0.0021	ng/g
PCB 12 (BZ)	ND		0.022	0.0021	ng/g
PCB 13 (BZ)	ND		0.022	0.0021	ng/g
PCB 14 (BZ)	ND		0.022	0.0018	ng/g
PCB 15 (BZ)	0.0050	Q B J	0.022	0.0021	ng/g
PCB 16 (BZ)	ND		0.022	0.0016	ng/g
PCB 17 (BZ)	ND		0.022	0.0013	ng/g
PCB 18 (BZ)	0.0081	Q C J	0.043	0.0012	ng/g
PCB 19 (BZ)	ND		0.022	0.0016	ng/g
PCB 20 (BZ)	0.017	B C J	0.043	0.00046	ng/g
PCB 21 (BZ)	0.0033	B C J	0.022	0.00046	ng/g
PCB 22 (BZ)	0.0013	J	0.022	0.00047	ng/g
PCB 23 (BZ)	ND		0.022	0.00047	ng/g
PCB 24 (BZ)	ND		0.022	0.0011	ng/g
PCB 25 (BZ)	0.0020	J	0.022	0.00042	ng/g
PCB 26 (BZ)	0.015	C J	0.022	0.00045	ng/g
PCB 27 (BZ)	ND		0.022	0.00096	ng/g
PCB 28 (BZ)	0.017	B C20 J	0.043	0.00046	ng/g
PCB 29 (BZ)	0.015	C26 J	0.022	0.00045	ng/g
PCB 30 (BZ)	0.0081	Q C18 J	0.043	0.0012	ng/g
PCB 31 (BZ)	0.013	B J	0.043	0.00045	ng/g
PCB 32 (BZ)	ND		0.022	0.00094	ng/g
PCB 33 (BZ)	0.0033	B C21 J	0.022	0.00046	ng/g
PCB 34 (BZ)	ND		0.022	0.00047	ng/g
PCB 35 (BZ)	ND		0.022	0.00048	ng/g
PCB 36 (BZ)	ND		0.022	0.00046	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 009 Work Order #....: M00GX1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0026	B J	0.022	0.00048	ng/g
PCB 38 (BZ)	ND		0.022	0.00049	ng/g
PCB 39 (BZ)	ND		0.022	0.00044	ng/g
PCB 40 (BZ)	ND		0.022	0.00064	ng/g
PCB 41 (BZ)	ND		0.022	0.00064	ng/g
PCB 42 (BZ)	ND		0.022	0.00065	ng/g
PCB 43 (BZ)	0.0029	C J	0.022	0.00060	ng/g
PCB 44 (BZ)	0.040	B C	0.022	0.00057	ng/g
PCB 45 (BZ)	ND		0.022	0.00066	ng/g
PCB 46 (BZ)	ND		0.022	0.00078	ng/g
PCB 47 (BZ)	0.040	B C44	0.022	0.00057	ng/g
PCB 48 (BZ)	0.0030	J	0.022	0.00063	ng/g
PCB 49 (BZ)	0.018	C J	0.022	0.00053	ng/g
PCB 50 (BZ)	0.0029	Q C J	0.022	0.00062	ng/g
PCB 51 (BZ)	ND		0.022	0.00066	ng/g
PCB 52 (BZ)	0.12		0.022	0.00062	ng/g
PCB 53 (BZ)	0.0029	Q C50 J	0.022	0.00062	ng/g
PCB 54 (BZ)	ND		0.022	0.0018	ng/g
PCB 55 (BZ)	0.00097	J	0.022	0.00050	ng/g
PCB 56 (BZ)	0.0057	Q J	0.022	0.00047	ng/g
PCB 57 (BZ)	ND		0.022	0.00047	ng/g
PCB 58 (BZ)	0.00036	Q J	0.022	0.00047	ng/g
PCB 59 (BZ)	0.0022	C J	0.022	0.00046	ng/g
PCB 60 (BZ)	0.0022	Q J	0.022	0.00048	ng/g
PCB 61 (BZ)	0.054	B C	0.043	0.00045	ng/g
PCB 62 (BZ)	0.0022	C59 J	0.022	0.00046	ng/g
PCB 63 (BZ)	0.0016	Q J	0.022	0.00044	ng/g
PCB 64 (BZ)	ND		0.022	0.00043	ng/g
PCB 65 (BZ)	0.040	B C44	0.022	0.00057	ng/g
PCB 66 (BZ)	0.034		0.022	0.00045	ng/g
PCB 67 (BZ)	0.00068	Q J	0.022	0.00042	ng/g
PCB 68 (BZ)	0.0016	J	0.022	0.00043	ng/g
PCB 69 (BZ)	0.018	C49 J	0.022	0.00053	ng/g
PCB 70 (BZ)	0.054	B C61	0.043	0.00045	ng/g
PCB 71 (BZ)	ND		0.022	0.00064	ng/g
PCB 72 (BZ)	0.0046	J	0.022	0.00046	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 009 Work Order #....: M00GX1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0029	C43 J	0.022	0.00060	ng/g
PCB 74 (BZ)	0.054	B C61	0.043	0.00045	ng/g
PCB 75 (BZ)	0.0022	C59 J	0.022	0.00046	ng/g
PCB 76 (BZ)	0.054	B C61	0.043	0.00045	ng/g
PCB 77 (BZ)	0.0017	Q J	0.022	0.00044	ng/g
PCB 78 (BZ)	ND		0.022	0.00049	ng/g
PCB 79 (BZ)	ND		0.022	0.00043	ng/g
PCB 80 (BZ)	ND		0.022	0.00042	ng/g
PCB 81 (BZ)	ND		0.022	0.00044	ng/g
PCB 82 (BZ)	ND		0.022	0.0013	ng/g
PCB 83 (BZ)	0.067	C	0.022	0.0011	ng/g
PCB 84 (BZ)	0.0074	J	0.022	0.0013	ng/g
PCB 85 (BZ)	0.014	Q C J	0.022	0.00093	ng/g
PCB 86 (BZ)	0.065	C	0.022	0.00095	ng/g
PCB 87 (BZ)	0.065	C86	0.022	0.00095	ng/g
PCB 88 (BZ)	0.0064	Q C J	0.022	0.0011	ng/g
PCB 89 (BZ)	ND		0.022	0.0012	ng/g
PCB 90 (BZ)	0.24	C	0.022	0.00096	ng/g
PCB 91 (BZ)	0.0064	Q C88 J	0.022	0.0011	ng/g
PCB 92 (BZ)	0.039		0.022	0.0011	ng/g
PCB 93 (BZ)	ND		0.022	0.0011	ng/g
PCB 94 (BZ)	ND		0.022	0.0012	ng/g
PCB 95 (BZ)	0.093		0.022	0.0012	ng/g
PCB 96 (BZ)	ND		0.022	0.00093	ng/g
PCB 97 (BZ)	0.065	C86	0.022	0.00095	ng/g
PCB 98 (BZ)	ND		0.022	0.0011	ng/g
PCB 99 (BZ)	0.067	C83	0.022	0.0011	ng/g
PCB 100 (BZ)	ND		0.022	0.0011	ng/g
PCB 101 (BZ)	0.24	C90	0.022	0.00096	ng/g
PCB 102 (BZ)	ND		0.022	0.0011	ng/g
PCB 103 (BZ)	0.0035	Q J	0.022	0.0011	ng/g
PCB 104 (BZ)	ND		0.022	0.00083	ng/g
PCB 105 (BZ)	0.024		0.022	0.00058	ng/g
PCB 106 (BZ)	ND		0.022	0.00062	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0087	Q J	0.022	0.00060	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0082	C J	0.022	0.00063	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 009	Work Order #....:	M00GX1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.065	C86	0.022	ng/g
PCB 110 (BZ)	0.039	Q B C	0.022	ng/g
PCB 111 (BZ)	ND		0.00078	ng/g
PCB 112 (BZ)	ND		0.00084	ng/g
PCB 113 (BZ)	0.24	C90	0.022	ng/g
PCB 114 (BZ)	0.0015	Q J	0.022	ng/g
PCB 115 (BZ)	0.039	Q B C110	0.022	ng/g
PCB 116 (BZ)	0.014	Q C85 J	0.022	ng/g
PCB 117 (BZ)	0.014	Q C85 J	0.022	ng/g
PCB 118 (BZ)	0.076	B	0.022	ng/g
PCB 119 (BZ)	0.065	C86	0.022	ng/g
PCB 120 (BZ)	ND		0.00080	ng/g
PCB 121 (BZ)	ND		0.00080	ng/g
PCB 122 (BZ)	0.0019	Q J	0.022	ng/g
PCB 123 (BZ)	0.0024	J	0.022	ng/g
PCB 124 (BZ)	0.0082	C108 J	0.022	ng/g
PCB 125 (BZ)	0.065	C86	0.022	ng/g
PCB 126 (BZ)	ND		0.00061	ng/g
PCB 127 (BZ)	ND		0.00061	ng/g
PCB 128 (BZ)	0.015	C J	0.022	ng/g
PCB 129 (BZ)	0.14	B C	0.022	ng/g
PCB 130 (BZ)	0.0087	Q J	0.022	ng/g
PCB 131 (BZ)	ND		0.0014	ng/g
PCB 132 (BZ)	0.017	J	0.022	ng/g
PCB 133 (BZ)	0.0039	J	0.022	ng/g
PCB 134 (BZ)	0.0052	C J	0.022	ng/g
PCB 135 (BZ)	0.080	C	0.022	ng/g
PCB 136 (BZ)	0.0080	Q J	0.022	ng/g
PCB 137 (BZ)	0.0035	Q J	0.022	ng/g
PCB 138 (BZ)	0.14	B C129	0.022	ng/g
PCB 139 (BZ)	ND		0.0011	ng/g
PCB 140 (BZ)	ND		0.0011	ng/g
PCB 141 (BZ)	0.047		0.0012	ng/g
PCB 142 (BZ)	ND		0.0013	ng/g
PCB 143 (BZ)	0.0052	C134 J	0.022	ng/g
PCB 144 (BZ)	0.017	J	0.022	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 009 Work Order #....: M00GX1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.022	0.0011	ng/g
PCB 146 (BZ)	0.035	0.022	0.0011	ng/g
PCB 147 (BZ)	0.11	B C	0.0011	ng/g
PCB 148 (BZ)	ND	0.022	0.0015	ng/g
PCB 149 (BZ)	0.11	B C147	0.0011	ng/g
PCB 150 (BZ)	ND	0.022	0.0010	ng/g
PCB 151 (BZ)	0.080	C135	0.0015	ng/g
PCB 152 (BZ)	ND	0.022	0.0011	ng/g
PCB 153 (BZ)	0.089	B C	0.00089	ng/g
PCB 154 (BZ)	0.0049	Q J	0.0012	ng/g
PCB 155 (BZ)	ND	0.022	0.0010	ng/g
PCB 156 (BZ)	0.010	C J	0.0011	ng/g
PCB 157 (BZ)	0.010	C156 J	0.0011	ng/g
PCB 158 (BZ)	0.0090	J	0.00081	ng/g
PCB 159 (BZ)	0.0012	Q J	0.00087	ng/g
PCB 160 (BZ)	0.14	B C129	0.0010	ng/g
PCB 161 (BZ)	ND	0.022	0.00087	ng/g
PCB 162 (BZ)	ND	0.022	0.00086	ng/g
PCB 163 (BZ)	0.14	B C129	0.0010	ng/g
PCB 164 (BZ)	0.014	Q J	0.00091	ng/g
PCB 165 (BZ)	ND	0.022	0.00095	ng/g
PCB 166 (BZ)	0.015	C128 J	0.0010	ng/g
PCB 167 (BZ)	0.0040	Q J	0.00059	ng/g
PCB 168 (BZ)	0.089	B C153	0.00089	ng/g
PCB 169 (BZ)	ND	0.022	0.00077	ng/g
PCB 170 (BZ)	0.010	J	0.0011	ng/g
PCB 171 (BZ)	0.0040	C J	0.0011	ng/g
PCB 172 (BZ)	0.0046	J	0.0011	ng/g
PCB 173 (BZ)	0.0040	C171 J	0.0011	ng/g
PCB 174 (BZ)	0.033		0.00098	ng/g
PCB 175 (BZ)	ND	0.022	0.00094	ng/g
PCB 176 (BZ)	0.0025	J	0.00072	ng/g
PCB 177 (BZ)	0.014	J	0.0010	ng/g
PCB 178 (BZ)	0.010	Q J	0.0010	ng/g
PCB 179 (BZ)	0.0098	J	0.00076	ng/g
PCB 180 (BZ)	0.037	B C	0.00080	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 009 Work Order #....: M00GX1AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.022	0.00094	ng/g
PCB 182 (BZ)	ND		0.022	0.00092	ng/g
PCB 183 (BZ)	0.019	C J	0.022	0.00094	ng/g
PCB 184 (BZ)	ND		0.022	0.00078	ng/g
PCB 185 (BZ)	0.019	C183 J	0.022	0.00094	ng/g
PCB 186 (BZ)	ND		0.022	0.00076	ng/g
PCB 187 (BZ)	0.11		0.022	0.00088	ng/g
PCB 188 (BZ)	ND		0.022	0.00068	ng/g
PCB 189 (BZ)	ND		0.022	0.00099	ng/g
PCB 190 (BZ)	0.0029	J	0.022	0.00073	ng/g
PCB 191 (BZ)	ND		0.022	0.00072	ng/g
PCB 192 (BZ)	ND		0.022	0.00080	ng/g
PCB 193 (BZ)	0.037	B C180	0.022	0.00080	ng/g
PCB 194 (BZ)	0.0042	Q B J	0.022	0.0012	ng/g
PCB 195 (BZ)	ND		0.022	0.0013	ng/g
PCB 196 (BZ)	0.0032	Q J	0.022	0.00073	ng/g
PCB 197 (BZ)	0.0012	J	0.022	0.00054	ng/g
PCB 198 (BZ)	0.021	C J	0.022	0.00075	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.021	C198 J	0.022	0.00075	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.022	0.00053	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0021	Q J	0.022	0.00051	ng/g
PCB 202 (BZ)	0.0039	J	0.022	0.00058	ng/g
PCB 203 (BZ)	0.0029	Q J	0.022	0.00067	ng/g
PCB 204 (BZ)	ND		0.022	0.00056	ng/g
PCB 205 (BZ)	ND		0.022	0.0010	ng/g
PCB 206 (BZ)	0.0039	Q J	0.022	0.0014	ng/g
PCB 207 (BZ)	ND		0.022	0.00086	ng/g
PCB 208 (BZ)	0.0035	Q J	0.022	0.00081	ng/g
PCB 209 (BZ)	0.0058	J	0.022	0.00099	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 009	Work Order #....:	M00GX1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	62	30 - 140
13C12-PCB 3	62	30 - 140
13C12-PCB 4	71	30 - 140
13C12-PCB 15	81	30 - 140
13C12-PCB 19	72	30 - 140
13C12-PCB 37	80	30 - 140
13C12-PCB 54	55	30 - 140
13C12-PCB 77	86	30 - 140
13C12-PCB 81	85	30 - 140
13C12-PCB 104	72	30 - 140
13C12-PCB 105	75	30 - 140
13C12-PCB 114	76	30 - 140
13C12-PCB 118	73	30 - 140
13C12-PCB 123	72	30 - 140
13C12-PCB 126	73	30 - 140
13C12-PCB 155	73	30 - 140
13C12-PCB 156	92	C 30 - 140
13C12-PCB 157	92	C 30 - 140
13C12-PCB 167	91	30 - 140
13C12-PCB 169	79	30 - 140
13C12-PCB 170	80	30 - 140
13C12-PCB 188	81	30 - 140
13C12-PCB 189	100	30 - 140
13C12-PCB 202	88	30 - 140
13C12-PCB 205	72	30 - 140
13C12-PCB 206	87	30 - 140
13C12-PCB 208	112	30 - 140
13C12-PCB 209	106	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	75	40 - 125
13C12-PCB 111	78	40 - 125
13C12-PCB 178	74	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-9(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 009	Work Order #....:	M00GX1AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 010	Work Order #....:	M00G01AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0015	Q B J	0.019	0.00053	ng/g
PCB 2 (BZ)	ND		0.019	0.00059	ng/g
PCB 3 (BZ)	ND		0.019	0.00065	ng/g
PCB 4 (BZ)	ND		0.039	0.0041	ng/g
PCB 5 (BZ)	ND		0.019	0.0032	ng/g
PCB 6 (BZ)	ND		0.019	0.0030	ng/g
PCB 7 (BZ)	ND		0.019	0.0031	ng/g
PCB 8 (BZ)	ND		0.039	0.0030	ng/g
PCB 9 (BZ)	ND		0.019	0.0031	ng/g
PCB 10 (BZ)	ND		0.019	0.0034	ng/g
PCB 11 (BZ)	0.030	Q B J	0.039	0.0030	ng/g
PCB 12 (BZ)	ND		0.019	0.0031	ng/g
PCB 13 (BZ)	ND		0.019	0.0031	ng/g
PCB 14 (BZ)	ND		0.019	0.0026	ng/g
PCB 15 (BZ)	0.013	Q B J	0.019	0.0032	ng/g
PCB 16 (BZ)	ND		0.019	0.0028	ng/g
PCB 17 (BZ)	0.0033	J	0.019	0.0023	ng/g
PCB 18 (BZ)	0.039	C J	0.039	0.0020	ng/g
PCB 19 (BZ)	ND		0.019	0.0028	ng/g
PCB 20 (BZ)	0.21	B C	0.039	0.00073	ng/g
PCB 21 (BZ)	0.012	B C J	0.019	0.00073	ng/g
PCB 22 (BZ)	0.0058	J	0.019	0.00074	ng/g
PCB 23 (BZ)	ND		0.019	0.00076	ng/g
PCB 24 (BZ)	ND		0.019	0.0019	ng/g
PCB 25 (BZ)	0.015	J	0.019	0.00067	ng/g
PCB 26 (BZ)	0.071	C	0.019	0.00071	ng/g
PCB 27 (BZ)	ND		0.019	0.0017	ng/g
PCB 28 (BZ)	0.21	B C20	0.039	0.00073	ng/g
PCB 29 (BZ)	0.071	C26	0.019	0.00071	ng/g
PCB 30 (BZ)	0.039	C18 J	0.039	0.0020	ng/g
PCB 31 (BZ)	0.085	B	0.039	0.00071	ng/g
PCB 32 (BZ)	ND		0.019	0.0016	ng/g
PCB 33 (BZ)	0.012	B C21 J	0.019	0.00073	ng/g
PCB 34 (BZ)	0.0015	Q J	0.019	0.00074	ng/g
PCB 35 (BZ)	0.0015	J	0.019	0.00076	ng/g
PCB 36 (BZ)	0.00081	Q J	0.019	0.00074	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 010 Work Order #....: M00G01AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.026	B	0.019	0.00076	ng/g
PCB 38 (BZ)	ND		0.019	0.00078	ng/g
PCB 39 (BZ)	ND		0.019	0.00069	ng/g
PCB 40 (BZ)	0.025	B C	0.019	0.00099	ng/g
PCB 41 (BZ)	0.025	B C40	0.019	0.00099	ng/g
PCB 42 (BZ)	0.010	Q J	0.019	0.0010	ng/g
PCB 43 (BZ)	0.0045	Q C J	0.019	0.00092	ng/g
PCB 44 (BZ)	0.25	B C	0.019	0.00089	ng/g
PCB 45 (BZ)	0.0027	C J	0.019	0.0010	ng/g
PCB 46 (BZ)	ND		0.019	0.0012	ng/g
PCB 47 (BZ)	0.25	B C44	0.019	0.00089	ng/g
PCB 48 (BZ)	0.011	J	0.019	0.00098	ng/g
PCB 49 (BZ)	0.11	C	0.019	0.00082	ng/g
PCB 50 (BZ)	0.010	C J	0.019	0.00095	ng/g
PCB 51 (BZ)	0.0027	C45 J	0.019	0.0010	ng/g
PCB 52 (BZ)	0.41		0.019	0.00095	ng/g
PCB 53 (BZ)	0.010	C50 J	0.019	0.00095	ng/g
PCB 54 (BZ)	ND		0.019	0.0031	ng/g
PCB 55 (BZ)	0.0059	J	0.019	0.00077	ng/g
PCB 56 (BZ)	0.036		0.019	0.00072	ng/g
PCB 57 (BZ)	0.0047	J	0.019	0.00073	ng/g
PCB 58 (BZ)	0.0044	J	0.019	0.00073	ng/g
PCB 59 (BZ)	0.017	Q C J	0.019	0.00070	ng/g
PCB 60 (BZ)	0.030		0.019	0.00074	ng/g
PCB 61 (BZ)	0.36	B C	0.039	0.00070	ng/g
PCB 62 (BZ)	0.017	Q C59 J	0.019	0.00070	ng/g
PCB 63 (BZ)	0.027		0.019	0.00068	ng/g
PCB 64 (BZ)	0.011	J	0.019	0.00067	ng/g
PCB 65 (BZ)	0.25	B C44	0.019	0.00089	ng/g
PCB 66 (BZ)	0.44		0.019	0.00070	ng/g
PCB 67 (BZ)	0.0057	Q J	0.019	0.00066	ng/g
PCB 68 (BZ)	0.025		0.019	0.00066	ng/g
PCB 69 (BZ)	0.11	C49	0.019	0.00082	ng/g
PCB 70 (BZ)	0.36	B C61	0.039	0.00070	ng/g
PCB 71 (BZ)	0.025	B C40	0.019	0.00099	ng/g
PCB 72 (BZ)	0.030		0.019	0.00071	ng/g

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Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 010 Work Order #....: M00G01AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0045	Q C43 J	0.019	0.00092	ng/g
PCB 74 (BZ)	0.36	B C61	0.039	0.00070	ng/g
PCB 75 (BZ)	0.017	Q C59 J	0.019	0.00070	ng/g
PCB 76 (BZ)	0.36	B C61	0.039	0.00070	ng/g
PCB 77 (BZ)	0.021		0.019	0.00068	ng/g
PCB 78 (BZ)	ND		0.019	0.00075	ng/g
PCB 79 (BZ)	0.0068	J	0.019	0.00066	ng/g
PCB 80 (BZ)	ND		0.019	0.00065	ng/g
PCB 81 (BZ)	0.0016	Q J	0.019	0.00069	ng/g
PCB 82 (BZ)	0.011	J	0.019	0.0024	ng/g
PCB 83 (BZ)	1.1	C	0.019	0.0021	ng/g
PCB 84 (BZ)	0.031		0.019	0.0023	ng/g
PCB 85 (BZ)	0.20	C	0.019	0.0017	ng/g
PCB 86 (BZ)	0.40	C	0.019	0.0017	ng/g
PCB 87 (BZ)	0.40	C86	0.019	0.0017	ng/g
PCB 88 (BZ)	0.091	C	0.019	0.0021	ng/g
PCB 89 (BZ)	ND		0.019	0.0023	ng/g
PCB 90 (BZ)	1.4	C	0.019	0.0018	ng/g
PCB 91 (BZ)	0.091	C88	0.019	0.0021	ng/g
PCB 92 (BZ)	0.21		0.019	0.0020	ng/g
PCB 93 (BZ)	ND		0.019	0.0020	ng/g
PCB 94 (BZ)	ND		0.019	0.0023	ng/g
PCB 95 (BZ)	0.27		0.019	0.0021	ng/g
PCB 96 (BZ)	ND		0.019	0.0017	ng/g
PCB 97 (BZ)	0.40	C86	0.019	0.0017	ng/g
PCB 98 (BZ)	0.0057	C J	0.019	0.0019	ng/g
PCB 99 (BZ)	1.1	C83	0.019	0.0021	ng/g
PCB 100 (BZ)	ND		0.019	0.0020	ng/g
PCB 101 (BZ)	1.4	C90	0.019	0.0018	ng/g
PCB 102 (BZ)	0.0057	C98 J	0.019	0.0019	ng/g
PCB 103 (BZ)	0.023		0.019	0.0020	ng/g
PCB 104 (BZ)	ND		0.019	0.0015	ng/g
PCB 105 (BZ)	0.29		0.019	0.00074	ng/g
PCB 106 (BZ)	ND		0.019	0.00080	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.12		0.019	0.00077	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.049	C	0.019	0.00081	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 010	Work Order #....:	M00G01AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.40	C86	0.019	0.0017	ng/g
PCB 110 (BZ)	0.30	B C	0.019	0.0015	ng/g
PCB 111 (BZ)	0.0092	J	0.019	0.0014	ng/g
PCB 112 (BZ)	ND		0.019	0.0015	ng/g
PCB 113 (BZ)	1.4	C90	0.019	0.0018	ng/g
PCB 114 (BZ)	0.022		0.019	0.00073	ng/g
PCB 115 (BZ)	0.30	B C110	0.019	0.0015	ng/g
PCB 116 (BZ)	0.20	C85	0.019	0.0017	ng/g
PCB 117 (BZ)	0.20	C85	0.019	0.0017	ng/g
PCB 118 (BZ)	1.3	B	0.019	0.00076	ng/g
PCB 119 (BZ)	0.40	C86	0.019	0.0017	ng/g
PCB 120 (BZ)	0.027		0.019	0.0015	ng/g
PCB 121 (BZ)	ND		0.019	0.0015	ng/g
PCB 122 (BZ)	0.011	Q J	0.019	0.00087	ng/g
PCB 123 (BZ)	0.026		0.019	0.00082	ng/g
PCB 124 (BZ)	0.049	C108	0.019	0.00081	ng/g
PCB 125 (BZ)	0.40	C86	0.019	0.0017	ng/g
PCB 126 (BZ)	0.014	Q J	0.019	0.00077	ng/g
PCB 127 (BZ)	0.0024	Q J	0.019	0.00079	ng/g
PCB 128 (BZ)	0.15	C	0.019	0.0013	ng/g
PCB 129 (BZ)	1.4	B C	0.019	0.0013	ng/g
PCB 130 (BZ)	0.070		0.019	0.0017	ng/g
PCB 131 (BZ)	0.0045	J	0.019	0.0018	ng/g
PCB 132 (BZ)	0.082		0.019	0.0017	ng/g
PCB 133 (BZ)	0.045		0.019	0.0016	ng/g
PCB 134 (BZ)	0.022	Q C	0.019	0.0017	ng/g
PCB 135 (BZ)	0.25	C	0.019	0.0029	ng/g
PCB 136 (BZ)	0.041		0.019	0.0021	ng/g
PCB 137 (BZ)	0.059		0.019	0.0015	ng/g
PCB 138 (BZ)	1.4	B C129	0.019	0.0013	ng/g
PCB 139 (BZ)	0.014	Q C J	0.019	0.0015	ng/g
PCB 140 (BZ)	0.014	Q C139 J	0.019	0.0015	ng/g
PCB 141 (BZ)	0.18		0.019	0.0015	ng/g
PCB 142 (BZ)	ND		0.019	0.0017	ng/g
PCB 143 (BZ)	0.022	Q C134	0.019	0.0017	ng/g
PCB 144 (BZ)	0.048		0.019	0.0026	ng/g

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Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 010 Work Order #....: M00G01AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.3 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.019	0.0020	ng/g
PCB 146 (BZ)	0.34		0.019	0.0014	ng/g
PCB 147 (BZ)	0.51	B C	0.019	0.0014	ng/g
PCB 148 (BZ)	0.0083	J	0.019	0.0028	ng/g
PCB 149 (BZ)	0.51	B C147	0.019	0.0014	ng/g
PCB 150 (BZ)	ND		0.019	0.0020	ng/g
PCB 151 (BZ)	0.25	C135	0.019	0.0029	ng/g
PCB 152 (BZ)	ND		0.019	0.0020	ng/g
PCB 153 (BZ)	1.5	B C	0.019	0.0012	ng/g
PCB 154 (BZ)	0.079	Q	0.019	0.0023	ng/g
PCB 155 (BZ)	ND		0.019	0.0019	ng/g
PCB 156 (BZ)	0.15	C	0.019	0.0015	ng/g
PCB 157 (BZ)	0.15	C156	0.019	0.0015	ng/g
PCB 158 (BZ)	0.084		0.019	0.0011	ng/g
PCB 159 (BZ)	0.0063	Q J	0.019	0.0011	ng/g
PCB 160 (BZ)	1.4	B C129	0.019	0.0013	ng/g
PCB 161 (BZ)	ND		0.019	0.0011	ng/g
PCB 162 (BZ)	0.0099	J	0.019	0.0011	ng/g
PCB 163 (BZ)	1.4	B C129	0.019	0.0013	ng/g
PCB 164 (BZ)	0.072		0.019	0.0012	ng/g
PCB 165 (BZ)	0.0036	Q J	0.019	0.0012	ng/g
PCB 166 (BZ)	0.15	C128	0.019	0.0013	ng/g
PCB 167 (BZ)	0.074		0.019	0.00081	ng/g
PCB 168 (BZ)	1.5	B C153	0.019	0.0012	ng/g
PCB 169 (BZ)	0.0046	Q J	0.019	0.00087	ng/g
PCB 170 (BZ)	0.15		0.019	0.0013	ng/g
PCB 171 (BZ)	0.039	C	0.019	0.0015	ng/g
PCB 172 (BZ)	0.053		0.019	0.0014	ng/g
PCB 173 (BZ)	0.039	C171	0.019	0.0015	ng/g
PCB 174 (BZ)	0.14		0.019	0.0013	ng/g
PCB 175 (BZ)	0.010	J	0.019	0.0013	ng/g
PCB 176 (BZ)	0.014	J	0.019	0.00098	ng/g
PCB 177 (BZ)	0.13		0.019	0.0014	ng/g
PCB 178 (BZ)	0.10		0.019	0.0014	ng/g
PCB 179 (BZ)	0.053		0.019	0.0010	ng/g
PCB 180 (BZ)	0.59	B C	0.019	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 010	Work Order #....:	M00G01AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0049	J	0.019	0.0013	ng/g
PCB 182 (BZ)	0.0043	J	0.019	0.0013	ng/g
PCB 183 (BZ)	0.17	C	0.019	0.0013	ng/g
PCB 184 (BZ)	ND		0.019	0.0011	ng/g
PCB 185 (BZ)	0.17	C183	0.019	0.0013	ng/g
PCB 186 (BZ)	ND		0.019	0.0010	ng/g
PCB 187 (BZ)	0.65		0.019	0.0012	ng/g
PCB 188 (BZ)	0.0078	J	0.019	0.0010	ng/g
PCB 189 (BZ)	0.012	J	0.019	0.0014	ng/g
PCB 190 (BZ)	0.046		0.019	0.0010	ng/g
PCB 191 (BZ)	0.011	Q J	0.019	0.00098	ng/g
PCB 192 (BZ)	0.0017	Q J	0.019	0.0011	ng/g
PCB 193 (BZ)	0.59	B C180	0.019	0.0011	ng/g
PCB 194 (BZ)	0.077	B	0.019	0.0013	ng/g
PCB 195 (BZ)	0.031		0.019	0.0014	ng/g
PCB 196 (BZ)	0.047		0.019	0.00094	ng/g
PCB 197 (BZ)	0.0055	J	0.019	0.00070	ng/g
PCB 198 (BZ)	0.16	C	0.019	0.00097	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.16	C198	0.019	0.00097	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.019	0.00069	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.026		0.019	0.00066	ng/g
PCB 202 (BZ)	0.063		0.019	0.00075	ng/g
PCB 203 (BZ)	0.063		0.019	0.00087	ng/g
PCB 204 (BZ)	0.0081	Q J	0.019	0.00073	ng/g
PCB 205 (BZ)	0.0045	Q J	0.019	0.0011	ng/g
PCB 206 (BZ)	0.071		0.019	0.0020	ng/g
PCB 207 (BZ)	0.012	J	0.019	0.0010	ng/g
PCB 208 (BZ)	0.044		0.019	0.00088	ng/g
PCB 209 (BZ)	0.063		0.019	0.0010	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 010	Work Order #....:	M00G01AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	56	30 - 140
13C12-PCB 3	55	30 - 140
13C12-PCB 4	76	30 - 140
13C12-PCB 15	75	30 - 140
13C12-PCB 19	79	30 - 140
13C12-PCB 37	83	30 - 140
13C12-PCB 54	59	30 - 140
13C12-PCB 77	99	30 - 140
13C12-PCB 81	97	30 - 140
13C12-PCB 104	65	30 - 140
13C12-PCB 105	73	30 - 140
13C12-PCB 114	75	30 - 140
13C12-PCB 118	70	30 - 140
13C12-PCB 123	69	30 - 140
13C12-PCB 126	75	30 - 140
13C12-PCB 155	70	30 - 140
13C12-PCB 156	96	C 30 - 140
13C12-PCB 157	96	C 30 - 140
13C12-PCB 167	92	30 - 140
13C12-PCB 169	91	30 - 140
13C12-PCB 170	85	30 - 140
13C12-PCB 188	71	30 - 140
13C12-PCB 189	94	30 - 140
13C12-PCB 202	82	30 - 140
13C12-PCB 205	74	30 - 140
13C12-PCB 206	81	30 - 140
13C12-PCB 208	101	30 - 140
13C12-PCB 209	94	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	76	40 - 125
13C12-PCB 111	84	40 - 125
13C12-PCB 178	71	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-9(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 010	Work Order #....:	M00G01AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.3 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 011	Work Order #....:	M00G11AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT	MINIMUM LEVEL		ESTIMATED DETECTION LIMIT	UNITS
		Q	B J		
PCB 1 (BZ)	0.00091		Q B J	0.00042	ng/g
PCB 2 (BZ)	ND			0.00047	ng/g
PCB 3 (BZ)	ND			0.00054	ng/g
PCB 4 (BZ)	ND			0.0048	ng/g
PCB 5 (BZ)	ND			0.0034	ng/g
PCB 6 (BZ)	ND			0.0032	ng/g
PCB 7 (BZ)	ND			0.0033	ng/g
PCB 8 (BZ)	ND			0.0031	ng/g
PCB 9 (BZ)	ND			0.0033	ng/g
PCB 10 (BZ)	ND			0.0036	ng/g
PCB 11 (BZ)	0.0098		Q B J	0.0032	ng/g
PCB 12 (BZ)	ND			0.0032	ng/g
PCB 13 (BZ)	ND			0.0032	ng/g
PCB 14 (BZ)	ND			0.0028	ng/g
PCB 15 (BZ)	0.0046		Q B J	0.0031	ng/g
PCB 16 (BZ)	ND			0.0024	ng/g
PCB 17 (BZ)	ND			0.0020	ng/g
PCB 18 (BZ)	0.0051		Q C J	0.0018	ng/g
PCB 19 (BZ)	ND			0.0025	ng/g
PCB 20 (BZ)	0.012		Q B C J	0.00060	ng/g
PCB 21 (BZ)	0.0032		B C J	0.00060	ng/g
PCB 22 (BZ)	ND			0.00061	ng/g
PCB 23 (BZ)	ND			0.00062	ng/g
PCB 24 (BZ)	ND			0.0017	ng/g
PCB 25 (BZ)	0.0010		Q J	0.00055	ng/g
PCB 26 (BZ)	0.011		C J	0.00059	ng/g
PCB 27 (BZ)	ND			0.0015	ng/g
PCB 28 (BZ)	0.012		Q B C20 J	0.00060	ng/g
PCB 29 (BZ)	0.011		C26 J	0.00059	ng/g
PCB 30 (BZ)	0.0051		Q C18 J	0.0018	ng/g
PCB 31 (BZ)	0.010		Q B J	0.00058	ng/g
PCB 32 (BZ)	ND			0.0014	ng/g
PCB 33 (BZ)	0.0032		B C21 J	0.00060	ng/g
PCB 34 (BZ)	ND			0.00061	ng/g
PCB 35 (BZ)	ND			0.00063	ng/g
PCB 36 (BZ)	ND			0.00061	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 011 Work Order #....: M00G11AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.1 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0027	Q B J	0.022	ng/g
PCB 38 (BZ)	ND		0.00064	ng/g
PCB 39 (BZ)	ND		0.00057	ng/g
PCB 40 (BZ)	0.0042	Q B C J	0.022	ng/g
PCB 41 (BZ)	0.0042	Q B C40 J	0.022	ng/g
PCB 42 (BZ)	0.0015	Q J	0.022	ng/g
PCB 43 (BZ)	ND		0.00078	ng/g
PCB 44 (BZ)	0.031	B C	0.022	ng/g
PCB 45 (BZ)	ND		0.00087	ng/g
PCB 46 (BZ)	ND		0.0010	ng/g
PCB 47 (BZ)	0.031	B C44	0.022	ng/g
PCB 48 (BZ)	0.0020	Q J	0.022	ng/g
PCB 49 (BZ)	0.014	C J	0.022	ng/g
PCB 50 (BZ)	0.0023	Q C J	0.022	ng/g
PCB 51 (BZ)	ND		0.00087	ng/g
PCB 52 (BZ)	0.079		0.00081	ng/g
PCB 53 (BZ)	0.0023	Q C50 J	0.022	ng/g
PCB 54 (BZ)	ND		0.0027	ng/g
PCB 55 (BZ)	ND		0.00065	ng/g
PCB 56 (BZ)	0.0047	Q J	0.022	ng/g
PCB 57 (BZ)	ND		0.00062	ng/g
PCB 58 (BZ)	0.0017	J	0.022	ng/g
PCB 59 (BZ)	ND		0.00060	ng/g
PCB 60 (BZ)	0.0022	J	0.022	ng/g
PCB 61 (BZ)	0.043	B C J	0.044	ng/g
PCB 62 (BZ)	ND		0.00060	ng/g
PCB 63 (BZ)	ND		0.00057	ng/g
PCB 64 (BZ)	ND		0.00057	ng/g
PCB 65 (BZ)	0.031	B C44	0.022	ng/g
PCB 66 (BZ)	0.025		0.00059	ng/g
PCB 67 (BZ)	ND		0.00056	ng/g
PCB 68 (BZ)	0.0016	Q J	0.022	ng/g
PCB 69 (BZ)	0.014	C49 J	0.022	ng/g
PCB 70 (BZ)	0.043	B C61 J	0.044	ng/g
PCB 71 (BZ)	0.0042	Q B C40 J	0.022	ng/g
PCB 72 (BZ)	0.0027	Q J	0.022	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 011	Work Order #....:	M00G11AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.022	0.00078	ng/g
PCB 74 (BZ)	0.043	B C61 J	0.044	0.00060	ng/g
PCB 75 (BZ)	ND		0.022	0.00060	ng/g
PCB 76 (BZ)	0.043	B C61 J	0.044	0.00060	ng/g
PCB 77 (BZ)	0.0012	Q J	0.022	0.00059	ng/g
PCB 78 (BZ)	ND		0.022	0.00064	ng/g
PCB 79 (BZ)	ND		0.022	0.00056	ng/g
PCB 80 (BZ)	ND		0.022	0.00055	ng/g
PCB 81 (BZ)	ND		0.022	0.00057	ng/g
PCB 82 (BZ)	ND		0.022	0.0017	ng/g
PCB 83 (BZ)	0.053	C	0.022	0.0014	ng/g
PCB 84 (BZ)	ND		0.022	0.0016	ng/g
PCB 85 (BZ)	0.012	C J	0.022	0.0012	ng/g
PCB 86 (BZ)	0.057	C	0.022	0.0012	ng/g
PCB 87 (BZ)	0.057	C86	0.022	0.0012	ng/g
PCB 88 (BZ)	0.0059	Q C J	0.022	0.0015	ng/g
PCB 89 (BZ)	ND		0.022	0.0016	ng/g
PCB 90 (BZ)	0.16	C	0.022	0.0012	ng/g
PCB 91 (BZ)	0.0059	Q C88 J	0.022	0.0015	ng/g
PCB 92 (BZ)	0.029		0.022	0.0014	ng/g
PCB 93 (BZ)	0.00099	Q C J	0.022	0.0014	ng/g
PCB 94 (BZ)	ND		0.022	0.0016	ng/g
PCB 95 (BZ)	0.082		0.022	0.0015	ng/g
PCB 96 (BZ)	ND		0.022	0.0012	ng/g
PCB 97 (BZ)	0.057	C86	0.022	0.0012	ng/g
PCB 98 (BZ)	ND		0.022	0.0014	ng/g
PCB 99 (BZ)	0.053	C83	0.022	0.0014	ng/g
PCB 100 (BZ)	0.00099	Q C93 J	0.022	0.0014	ng/g
PCB 101 (BZ)	0.16	C90	0.022	0.0012	ng/g
PCB 102 (BZ)	ND		0.022	0.0014	ng/g
PCB 103 (BZ)	ND		0.022	0.0014	ng/g
PCB 104 (BZ)	ND		0.022	0.0011	ng/g
PCB 105 (BZ)	0.017	J	0.022	0.00067	ng/g
PCB 106 (BZ)	ND		0.022	0.00072	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.0062	J	0.022	0.00070	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.0060	Q C J	0.022	0.00073	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 011 Work Order #....: M00G11AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 9.1 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.057	C86	0.022	ng/g
PCB 110 (BZ)	0.036	B C	0.022	ng/g
PCB 111 (BZ)	ND		0.022	ng/g
PCB 112 (BZ)	ND		0.022	ng/g
PCB 113 (BZ)	0.16	C90	0.022	ng/g
PCB 114 (BZ)	ND		0.022	ng/g
PCB 115 (BZ)	0.036	B C110	0.022	ng/g
PCB 116 (BZ)	0.012	C85 J	0.022	ng/g
PCB 117 (BZ)	0.012	C85 J	0.022	ng/g
PCB 118 (BZ)	0.054	B	0.022	ng/g
PCB 119 (BZ)	0.057	C86	0.022	ng/g
PCB 120 (BZ)	ND		0.022	ng/g
PCB 121 (BZ)	ND		0.022	ng/g
PCB 122 (BZ)	ND		0.022	ng/g
PCB 123 (BZ)	0.0013	J	0.022	ng/g
PCB 124 (BZ)	0.0060	Q C108 J	0.022	ng/g
PCB 125 (BZ)	0.057	C86	0.022	ng/g
PCB 126 (BZ)	ND		0.022	ng/g
PCB 127 (BZ)	ND		0.022	ng/g
PCB 128 (BZ)	0.0088	C J	0.022	ng/g
PCB 129 (BZ)	0.081	B C	0.022	ng/g
PCB 130 (BZ)	0.0065	Q J	0.022	ng/g
PCB 131 (BZ)	ND		0.022	ng/g
PCB 132 (BZ)	0.013	J	0.022	ng/g
PCB 133 (BZ)	0.0026	J	0.022	ng/g
PCB 134 (BZ)	0.0042	C J	0.022	ng/g
PCB 135 (BZ)	0.053	C	0.022	ng/g
PCB 136 (BZ)	0.0065	Q J	0.022	ng/g
PCB 137 (BZ)	0.0037	J	0.022	ng/g
PCB 138 (BZ)	0.081	B C129	0.022	ng/g
PCB 139 (BZ)	ND		0.022	ng/g
PCB 140 (BZ)	ND		0.022	ng/g
PCB 141 (BZ)	0.027		0.022	ng/g
PCB 142 (BZ)	ND		0.022	ng/g
PCB 143 (BZ)	0.0042	C134 J	0.022	ng/g
PCB 144 (BZ)	0.0059	J	0.022	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 011	Work Order #....:	M00G11AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.022	0.0013	ng/g
PCB 146 (BZ)	0.024		0.022	0.0012	ng/g
PCB 147 (BZ)	0.071	B C	0.022	0.0012	ng/g
PCB 148 (BZ)	ND		0.022	0.0018	ng/g
PCB 149 (BZ)	0.071	B C147	0.022	0.0012	ng/g
PCB 150 (BZ)	ND		0.022	0.0013	ng/g
PCB 151 (BZ)	0.053	C135	0.022	0.0019	ng/g
PCB 152 (BZ)	ND		0.022	0.0013	ng/g
PCB 153 (BZ)	0.055	B C	0.022	0.00096	ng/g
PCB 154 (BZ)	0.0021	Q J	0.022	0.0015	ng/g
PCB 155 (BZ)	ND		0.022	0.0012	ng/g
PCB 156 (BZ)	0.0063	Q C J	0.022	0.0012	ng/g
PCB 157 (BZ)	0.0063	Q C156 J	0.022	0.0012	ng/g
PCB 158 (BZ)	0.0051	Q J	0.022	0.00087	ng/g
PCB 159 (BZ)	ND		0.022	0.00094	ng/g
PCB 160 (BZ)	0.081	B C129	0.022	0.0011	ng/g
PCB 161 (BZ)	ND		0.022	0.00093	ng/g
PCB 162 (BZ)	ND		0.022	0.00092	ng/g
PCB 163 (BZ)	0.081	B C129	0.022	0.0011	ng/g
PCB 164 (BZ)	0.011	J	0.022	0.00097	ng/g
PCB 165 (BZ)	ND		0.022	0.0010	ng/g
PCB 166 (BZ)	0.0088	C128 J	0.022	0.0011	ng/g
PCB 167 (BZ)	0.0029	J	0.022	0.00068	ng/g
PCB 168 (BZ)	0.055	B C153	0.022	0.00096	ng/g
PCB 169 (BZ)	ND		0.022	0.00073	ng/g
PCB 170 (BZ)	0.0079	J	0.022	0.0011	ng/g
PCB 171 (BZ)	ND		0.022	0.0012	ng/g
PCB 172 (BZ)	0.0031	Q J	0.022	0.0012	ng/g
PCB 173 (BZ)	ND		0.022	0.0012	ng/g
PCB 174 (BZ)	0.024		0.022	0.0011	ng/g
PCB 175 (BZ)	ND		0.022	0.0010	ng/g
PCB 176 (BZ)	0.0016	Q J	0.022	0.00080	ng/g
PCB 177 (BZ)	0.0078	Q J	0.022	0.0011	ng/g
PCB 178 (BZ)	0.0077	J	0.022	0.0011	ng/g
PCB 179 (BZ)	0.0091	J	0.022	0.00084	ng/g
PCB 180 (BZ)	0.024	B C	0.022	0.00089	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 011	Work Order #....:	M00G11AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.022	0.0010	ng/g
PCB 182 (BZ)	ND		0.022	0.0010	ng/g
PCB 183 (BZ)	0.013	C J	0.022	0.0010	ng/g
PCB 184 (BZ)	ND		0.022	0.00086	ng/g
PCB 185 (BZ)	0.013	C183 J	0.022	0.0010	ng/g
PCB 186 (BZ)	ND		0.022	0.00084	ng/g
PCB 187 (BZ)	0.053		0.022	0.00097	ng/g
PCB 188 (BZ)	ND		0.022	0.00078	ng/g
PCB 189 (BZ)	ND		0.022	0.00095	ng/g
PCB 190 (BZ)	0.0025	Q J	0.022	0.00081	ng/g
PCB 191 (BZ)	ND		0.022	0.00080	ng/g
PCB 192 (BZ)	ND		0.022	0.00089	ng/g
PCB 193 (BZ)	0.024	B C180	0.022	0.00089	ng/g
PCB 194 (BZ)	0.0030	Q B J	0.022	0.0012	ng/g
PCB 195 (BZ)	ND		0.022	0.0013	ng/g
PCB 196 (BZ)	ND		0.022	0.00093	ng/g
PCB 197 (BZ)	ND		0.022	0.00069	ng/g
PCB 198 (BZ)	0.013	Q C J	0.022	0.00096	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.013	Q C198 J	0.022	0.00096	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.022	0.00068	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0019	Q J	0.022	0.00066	ng/g
PCB 202 (BZ)	0.0043	Q J	0.022	0.00074	ng/g
PCB 203 (BZ)	0.0036	Q J	0.022	0.00086	ng/g
PCB 204 (BZ)	ND		0.022	0.00072	ng/g
PCB 205 (BZ)	ND		0.022	0.0010	ng/g
PCB 206 (BZ)	0.0058	Q J	0.022	0.0015	ng/g
PCB 207 (BZ)	ND		0.022	0.00095	ng/g
PCB 208 (BZ)	0.0038	Q J	0.022	0.00091	ng/g
PCB 209 (BZ)	0.0060	Q J	0.022	0.0011	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 011	Work Order #....:	M00G11AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 1	56	30 - 140
13C12-PCB 3	58	30 - 140
13C12-PCB 4	65	30 - 140
13C12-PCB 15	73	30 - 140
13C12-PCB 19	68	30 - 140
13C12-PCB 37	77	30 - 140
13C12-PCB 54	51	30 - 140
13C12-PCB 77	85	30 - 140
13C12-PCB 81	84	30 - 140
13C12-PCB 104	65	30 - 140
13C12-PCB 105	71	30 - 140
13C12-PCB 114	72	30 - 140
13C12-PCB 118	69	30 - 140
13C12-PCB 123	68	30 - 140
13C12-PCB 126	70	30 - 140
13C12-PCB 155	69	30 - 140
13C12-PCB 156	86	C 30 - 140
13C12-PCB 157	86	C 30 - 140
13C12-PCB 167	83	30 - 140
13C12-PCB 169	81	30 - 140
13C12-PCB 170	78	30 - 140
13C12-PCB 188	75	30 - 140
13C12-PCB 189	95	30 - 140
13C12-PCB 202	81	30 - 140
13C12-PCB 205	69	30 - 140
13C12-PCB 206	87	30 - 140
13C12-PCB 208	110	30 - 140
13C12-PCB 209	98	30 - 140

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 28	73	40 - 125
13C12-PCB 111	77	40 - 125
13C12-PCB 178	71	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-10(T)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 011	Work Order #....:	M00G11AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	9.1 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 012	Work Order #....:	M00G21AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0031	Q B J	0.019	0.00090	ng/g
PCB 2 (BZ)	ND		0.019	0.0010	ng/g
PCB 3 (BZ)	ND		0.019	0.0011	ng/g
PCB 4 (BZ)	ND		0.038	0.0073	ng/g
PCB 5 (BZ)	ND		0.019	0.0058	ng/g
PCB 6 (BZ)	ND		0.019	0.0055	ng/g
PCB 7 (BZ)	ND		0.019	0.0057	ng/g
PCB 8 (BZ)	ND		0.038	0.0054	ng/g
PCB 9 (BZ)	ND		0.019	0.0057	ng/g
PCB 10 (BZ)	ND		0.019	0.0061	ng/g
PCB 11 (BZ)	0.045	Q B	0.038	0.0054	ng/g
PCB 12 (BZ)	ND		0.019	0.0055	ng/g
PCB 13 (BZ)	ND		0.019	0.0055	ng/g
PCB 14 (BZ)	ND		0.019	0.0048	ng/g
PCB 15 (BZ)	0.027	Q B	0.019	0.0058	ng/g
PCB 16 (BZ)	ND		0.019	0.0048	ng/g
PCB 17 (BZ)	ND		0.019	0.0040	ng/g
PCB 18 (BZ)	0.028	Q C J	0.038	0.0035	ng/g
PCB 19 (BZ)	ND		0.019	0.0049	ng/g
PCB 20 (BZ)	0.20	B C	0.038	0.0011	ng/g
PCB 21 (BZ)	0.012	Q B C J	0.019	0.0011	ng/g
PCB 22 (BZ)	0.0094	J	0.019	0.0012	ng/g
PCB 23 (BZ)	ND		0.019	0.0012	ng/g
PCB 24 (BZ)	0.014	Q J	0.019	0.0033	ng/g
PCB 25 (BZ)	0.012	Q J	0.019	0.0010	ng/g
PCB 26 (BZ)	0.070	C	0.019	0.0011	ng/g
PCB 27 (BZ)	0.0059	Q J	0.019	0.0029	ng/g
PCB 28 (BZ)	0.20	B C20	0.038	0.0011	ng/g
PCB 29 (BZ)	0.070	C26	0.019	0.0011	ng/g
PCB 30 (BZ)	0.028	Q C18 J	0.038	0.0035	ng/g
PCB 31 (BZ)	0.097	B	0.038	0.0011	ng/g
PCB 32 (BZ)	ND		0.019	0.0028	ng/g
PCB 33 (BZ)	0.012	Q B C21 J	0.019	0.0011	ng/g
PCB 34 (BZ)	ND		0.019	0.0012	ng/g
PCB 35 (BZ)	0.0029	J	0.019	0.0012	ng/g
PCB 36 (BZ)	ND		0.019	0.0012	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 012 Work Order #....: M00G21AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.4 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.032	Q B	0.019	ng/g
PCB 38 (BZ)	ND		0.0012	ng/g
PCB 39 (BZ)	ND		0.0011	ng/g
PCB 40 (BZ)	0.019	B C	0.019	ng/g
PCB 41 (BZ)	0.019	B C40	0.0012	ng/g
PCB 42 (BZ)	0.010	Q J	0.0013	ng/g
PCB 43 (BZ)	ND		0.0012	ng/g
PCB 44 (BZ)	0.23	B C	0.0011	ng/g
PCB 45 (BZ)	0.0035	Q C J	0.0013	ng/g
PCB 46 (BZ)	ND		0.0015	ng/g
PCB 47 (BZ)	0.23	B C44	0.0011	ng/g
PCB 48 (BZ)	0.0099	Q J	0.0012	ng/g
PCB 49 (BZ)	0.098	C	0.0010	ng/g
PCB 50 (BZ)	0.012	C J	0.0012	ng/g
PCB 51 (BZ)	0.0035	Q C45 J	0.0013	ng/g
PCB 52 (BZ)	0.38		0.0012	ng/g
PCB 53 (BZ)	0.012	C50 J	0.0012	ng/g
PCB 54 (BZ)	ND		0.0047	ng/g
PCB 55 (BZ)	0.0046	J	0.00095	ng/g
PCB 56 (BZ)	0.036		0.00090	ng/g
PCB 57 (BZ)	0.0053	J	0.00091	ng/g
PCB 58 (BZ)	0.0036	Q J	0.00090	ng/g
PCB 59 (BZ)	0.016	C J	0.00088	ng/g
PCB 60 (BZ)	0.029		0.00092	ng/g
PCB 61 (BZ)	0.37	B C	0.00088	ng/g
PCB 62 (BZ)	0.016	C59 J	0.00088	ng/g
PCB 63 (BZ)	0.026		0.00084	ng/g
PCB 64 (BZ)	0.011	J	0.00083	ng/g
PCB 65 (BZ)	0.23	B C44	0.0011	ng/g
PCB 66 (BZ)	0.44		0.00087	ng/g
PCB 67 (BZ)	0.0065	J	0.00082	ng/g
PCB 68 (BZ)	0.021	Q	0.00082	ng/g
PCB 69 (BZ)	0.098	C49	0.0010	ng/g
PCB 70 (BZ)	0.37	B C61	0.00088	ng/g
PCB 71 (BZ)	0.019	B C40	0.0012	ng/g
PCB 72 (BZ)	0.028		0.00088	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 012	Work Order #....:	M00G21AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.019	0.0012	ng/g
PCB 74 (BZ)	0.37	B C61	0.038	0.00088	ng/g
PCB 75 (BZ)	0.016	C59 J	0.019	0.00088	ng/g
PCB 76 (BZ)	0.37	B C61	0.038	0.00088	ng/g
PCB 77 (BZ)	0.025		0.019	0.00085	ng/g
PCB 78 (BZ)	ND		0.019	0.00094	ng/g
PCB 79 (BZ)	0.0079	J	0.019	0.00082	ng/g
PCB 80 (BZ)	ND		0.019	0.00080	ng/g
PCB 81 (BZ)	0.0011	Q J	0.019	0.00086	ng/g
PCB 82 (BZ)	0.024		0.019	0.0030	ng/g
PCB 83 (BZ)	1.1	C	0.019	0.0025	ng/g
PCB 84 (BZ)	0.034		0.019	0.0029	ng/g
PCB 85 (BZ)	0.20	C	0.019	0.0021	ng/g
PCB 86 (BZ)	0.44	C	0.019	0.0021	ng/g
PCB 87 (BZ)	0.44	C86	0.019	0.0021	ng/g
PCB 88 (BZ)	0.092	C	0.019	0.0026	ng/g
PCB 89 (BZ)	ND		0.019	0.0028	ng/g
PCB 90 (BZ)	1.2	C	0.019	0.0022	ng/g
PCB 91 (BZ)	0.092	C88	0.019	0.0026	ng/g
PCB 92 (BZ)	0.24		0.019	0.0025	ng/g
PCB 93 (BZ)	0.0020	Q C J	0.019	0.0025	ng/g
PCB 94 (BZ)	ND		0.019	0.0028	ng/g
PCB 95 (BZ)	0.33		0.019	0.0026	ng/g
PCB 96 (BZ)	ND		0.019	0.0021	ng/g
PCB 97 (BZ)	0.44	C86	0.019	0.0021	ng/g
PCB 98 (BZ)	0.0066	Q C J	0.019	0.0024	ng/g
PCB 99 (BZ)	1.1	C83	0.019	0.0025	ng/g
PCB 100 (BZ)	0.0020	Q C93 J	0.019	0.0025	ng/g
PCB 101 (BZ)	1.2	C90	0.019	0.0022	ng/g
PCB 102 (BZ)	0.0066	Q C98 J	0.019	0.0024	ng/g
PCB 103 (BZ)	0.018	J	0.019	0.0024	ng/g
PCB 104 (BZ)	ND		0.019	0.0019	ng/g
PCB 105 (BZ)	0.31		0.019	0.00086	ng/g
PCB 106 (BZ)	ND		0.019	0.00092	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.10		0.019	0.00090	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.041	C	0.019	0.00094	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)

Trace Level Organic Compounds

Lot - Sample #....:	H3E290404 - 012	Work Order #....:	M00G21AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.44	C86	0.019	0.0021	ng/g
PCB 110 (BZ)	0.27	B C	0.019	0.0018	ng/g
PCB 111 (BZ)	0.0098	J	0.019	0.0017	ng/g
PCB 112 (BZ)	ND		0.019	0.0019	ng/g
PCB 113 (BZ)	1.2	C90	0.019	0.0022	ng/g
PCB 114 (BZ)	0.024		0.019	0.00084	ng/g
PCB 115 (BZ)	0.27	B C110	0.019	0.0018	ng/g
PCB 116 (BZ)	0.20	C85	0.019	0.0021	ng/g
PCB 117 (BZ)	0.20	C85	0.019	0.0021	ng/g
PCB 118 (BZ)	1.2	B	0.019	0.00088	ng/g
PCB 119 (BZ)	0.44	C86	0.019	0.0021	ng/g
PCB 120 (BZ)	0.028		0.019	0.0018	ng/g
PCB 121 (BZ)	ND		0.019	0.0018	ng/g
PCB 122 (BZ)	0.012	J	0.019	0.0010	ng/g
PCB 123 (BZ)	0.023		0.019	0.00094	ng/g
PCB 124 (BZ)	0.041	C108	0.019	0.00094	ng/g
PCB 125 (BZ)	0.44	C86	0.019	0.0021	ng/g
PCB 126 (BZ)	0.0062	Q J	0.019	0.00091	ng/g
PCB 127 (BZ)	ND		0.019	0.00091	ng/g
PCB 128 (BZ)	0.14	C	0.019	0.0017	ng/g
PCB 129 (BZ)	1.2	B C	0.019	0.0018	ng/g
PCB 130 (BZ)	0.077		0.019	0.0023	ng/g
PCB 131 (BZ)	ND		0.019	0.0024	ng/g
PCB 132 (BZ)	0.094		0.019	0.0022	ng/g
PCB 133 (BZ)	0.038		0.019	0.0022	ng/g
PCB 134 (BZ)	0.021	Q C	0.019	0.0023	ng/g
PCB 135 (BZ)	0.31	C	0.019	0.0040	ng/g
PCB 136 (BZ)	0.050		0.019	0.0029	ng/g
PCB 137 (BZ)	0.055		0.019	0.0020	ng/g
PCB 138 (BZ)	1.2	B C129	0.019	0.0018	ng/g
PCB 139 (BZ)	0.013	C J	0.019	0.0020	ng/g
PCB 140 (BZ)	0.013	C139 J	0.019	0.0020	ng/g
PCB 141 (BZ)	0.13		0.019	0.0021	ng/g
PCB 142 (BZ)	ND		0.019	0.0023	ng/g
PCB 143 (BZ)	0.021	Q C134	0.019	0.0023	ng/g
PCB 144 (BZ)	0.035		0.019	0.0037	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 012 Work Order #....: M00G21AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.4 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.019	0.0028	ng/g
PCB 146 (BZ)	0.28		0.019	0.0019	ng/g
PCB 147 (BZ)	0.48	B C	0.019	0.0019	ng/g
PCB 148 (BZ)	0.0097	J	0.019	0.0039	ng/g
PCB 149 (BZ)	0.48	B C147	0.019	0.0019	ng/g
PCB 150 (BZ)	ND		0.019	0.0027	ng/g
PCB 151 (BZ)	0.31	C135	0.019	0.0040	ng/g
PCB 152 (BZ)	ND		0.019	0.0028	ng/g
PCB 153 (BZ)	1.3	B C	0.019	0.0015	ng/g
PCB 154 (BZ)	0.068		0.019	0.0033	ng/g
PCB 155 (BZ)	ND		0.019	0.0027	ng/g
PCB 156 (BZ)	0.13	C	0.019	0.0020	ng/g
PCB 157 (BZ)	0.13	C156	0.019	0.0020	ng/g
PCB 158 (BZ)	0.070		0.019	0.0014	ng/g
PCB 159 (BZ)	0.0058	Q J	0.019	0.0015	ng/g
PCB 160 (BZ)	1.2	B C129	0.019	0.0018	ng/g
PCB 161 (BZ)	ND		0.019	0.0015	ng/g
PCB 162 (BZ)	0.0080	J	0.019	0.0015	ng/g
PCB 163 (BZ)	1.2	B C129	0.019	0.0018	ng/g
PCB 164 (BZ)	0.059		0.019	0.0016	ng/g
PCB 165 (BZ)	0.0043	Q J	0.019	0.0017	ng/g
PCB 166 (BZ)	0.14	C128	0.019	0.0017	ng/g
PCB 167 (BZ)	0.063		0.019	0.0011	ng/g
PCB 168 (BZ)	1.3	B C153	0.019	0.0015	ng/g
PCB 169 (BZ)	0.0038	Q J	0.019	0.0011	ng/g
PCB 170 (BZ)	0.14		0.019	0.0016	ng/g
PCB 171 (BZ)	0.038	C	0.019	0.0017	ng/g
PCB 172 (BZ)	0.047		0.019	0.0017	ng/g
PCB 173 (BZ)	0.038	C171	0.019	0.0017	ng/g
PCB 174 (BZ)	0.14		0.019	0.0016	ng/g
PCB 175 (BZ)	0.0090	Q J	0.019	0.0015	ng/g
PCB 176 (BZ)	0.014	J	0.019	0.0012	ng/g
PCB 177 (BZ)	0.14		0.019	0.0016	ng/g
PCB 178 (BZ)	0.092		0.019	0.0016	ng/g
PCB 179 (BZ)	0.061		0.019	0.0012	ng/g
PCB 180 (BZ)	0.50	B C	0.019	0.0013	ng/g

TestAmerica Pittsburgh

Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)

Trace Level Organic Compounds

Lot - Sample #....: H3E290404 - 012 Work Order #....: M00G21AE Matrix....: TA
 Date Sampled....: 05/20/13 Date Received....: 05/29/13 Dilution Factor: 2
 Prep Date....: 06/21/13 Analysis Date....: 06/28/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10.4 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0036	J	0.019	0.0015	ng/g
PCB 182 (BZ)	ND		0.019	0.0015	ng/g
PCB 183 (BZ)	0.15	C	0.019	0.0015	ng/g
PCB 184 (BZ)	ND		0.019	0.0013	ng/g
PCB 185 (BZ)	0.15	C183	0.019	0.0015	ng/g
PCB 186 (BZ)	ND		0.019	0.0012	ng/g
PCB 187 (BZ)	0.52		0.019	0.0014	ng/g
PCB 188 (BZ)	0.0095	Q J	0.019	0.0012	ng/g
PCB 189 (BZ)	0.0089	Q J	0.019	0.0013	ng/g
PCB 190 (BZ)	0.046		0.019	0.0012	ng/g
PCB 191 (BZ)	0.0095	Q J	0.019	0.0012	ng/g
PCB 192 (BZ)	ND		0.019	0.0013	ng/g
PCB 193 (BZ)	0.50	B C180	0.019	0.0013	ng/g
PCB 194 (BZ)	0.076	B	0.019	0.0015	ng/g
PCB 195 (BZ)	0.033		0.019	0.0017	ng/g
PCB 196 (BZ)	0.056		0.019	0.0012	ng/g
PCB 197 (BZ)	0.013	J	0.019	0.00092	ng/g
PCB 198 (BZ)	0.17	C	0.019	0.0013	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.17	C198	0.019	0.0013	ng/g
PCB 199 (BZ)/200 (IUPAC)	0.0065	Q J	0.019	0.00090	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.034		0.019	0.00087	ng/g
PCB 202 (BZ)	0.075		0.019	0.00098	ng/g
PCB 203 (BZ)	0.069		0.019	0.0011	ng/g
PCB 204 (BZ)	ND		0.019	0.00095	ng/g
PCB 205 (BZ)	0.0068	J	0.019	0.0013	ng/g
PCB 206 (BZ)	0.094		0.019	0.0024	ng/g
PCB 207 (BZ)	0.018	J	0.019	0.0012	ng/g
PCB 208 (BZ)	0.055		0.019	0.0011	ng/g
PCB 209 (BZ)	0.086		0.019	0.0015	ng/g

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 012	Work Order #....:	M00G21AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	65	30 - 140
13C12-PCB 3	61	30 - 140
13C12-PCB 4	80	30 - 140
13C12-PCB 15	82	30 - 140
13C12-PCB 19	77	30 - 140
13C12-PCB 37	92	30 - 140
13C12-PCB 54	55	30 - 140
13C12-PCB 77	101	30 - 140
13C12-PCB 81	99	30 - 140
13C12-PCB 104	63	30 - 140
13C12-PCB 105	70	30 - 140
13C12-PCB 114	71	30 - 140
13C12-PCB 118	68	30 - 140
13C12-PCB 123	66	30 - 140
13C12-PCB 126	71	30 - 140
13C12-PCB 155	68	30 - 140
13C12-PCB 156	94	C
13C12-PCB 157	94	C
13C12-PCB 167	88	30 - 140
13C12-PCB 169	92	30 - 140
13C12-PCB 170	85	30 - 140
13C12-PCB 188	68	30 - 140
13C12-PCB 189	96	30 - 140
13C12-PCB 202	79	30 - 140
13C12-PCB 205	70	30 - 140
13C12-PCB 206	84	30 - 140
13C12-PCB 208	108	30 - 140
13C12-PCB 209	96	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	80	40 - 125
13C12-PCB 111	86	40 - 125
13C12-PCB 178	69	40 - 125

TestAmerica Pittsburgh**Sample ID: 055364-T2-052013-FT-CRAWFISH-10(O)****Trace Level Organic Compounds**

Lot - Sample #....:	H3E290404 - 012	Work Order #....:	M00G21AE	Matrix....:	TA
Date Sampled....:	05/20/13	Date Received....:	05/29/13	Dilution Factor:	2
Prep Date....:	06/21/13	Analysis Date....:	06/28/13		
Prep Batch #:	3172043				
Initial Wgt/Vol :	10.4 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Jon M. Nordquist				

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00023	Q J	0.010	0.00011	ng/g
PCB 2 (BZ)	ND		0.010	0.00013	ng/g
PCB 3 (BZ)	ND		0.010	0.00014	ng/g
PCB 4 (BZ)	ND		0.020	0.0011	ng/g
PCB 5 (BZ)	ND		0.010	0.00080	ng/g
PCB 6 (BZ)	0.00053	Q J	0.010	0.00076	ng/g
PCB 7 (BZ)	0.00093	Q J	0.010	0.00078	ng/g
PCB 8 (BZ)	0.0013	Q J	0.020	0.00074	ng/g
PCB 9 (BZ)	0.00076	Q J	0.010	0.00078	ng/g
PCB 10 (BZ)	ND		0.010	0.00084	ng/g
PCB 11 (BZ)	0.0038	Q J	0.020	0.00074	ng/g
PCB 12 (BZ)	0.00065	Q C J	0.010	0.00076	ng/g
PCB 13 (BZ)	0.00065	Q C12 J	0.010	0.00076	ng/g
PCB 14 (BZ)	ND		0.010	0.00066	ng/g
PCB 15 (BZ)	0.00050	Q J	0.010	0.00076	ng/g
PCB 16 (BZ)	ND		0.010	0.00065	ng/g
PCB 17 (BZ)	ND		0.010	0.00055	ng/g
PCB 18 (BZ)	ND		0.020	0.00048	ng/g
PCB 19 (BZ)	ND		0.010	0.00067	ng/g
PCB 20 (BZ)	0.00084	C J	0.020	0.00018	ng/g
PCB 21 (BZ)	0.00050	Q C J	0.010	0.00018	ng/g
PCB 22 (BZ)	ND		0.010	0.00018	ng/g
PCB 23 (BZ)	ND		0.010	0.00019	ng/g
PCB 24 (BZ)	ND		0.010	0.00046	ng/g
PCB 25 (BZ)	ND		0.010	0.00017	ng/g
PCB 26 (BZ)	ND		0.010	0.00018	ng/g
PCB 27 (BZ)	ND		0.010	0.00039	ng/g
PCB 28 (BZ)	0.00084	C20 J	0.020	0.00018	ng/g
PCB 29 (BZ)	ND		0.010	0.00018	ng/g
PCB 30 (BZ)	ND		0.020	0.00048	ng/g
PCB 31 (BZ)	0.00062	Q J	0.020	0.00018	ng/g
PCB 32 (BZ)	ND		0.010	0.00039	ng/g
PCB 33 (BZ)	0.00050	Q C21 J	0.010	0.00018	ng/g
PCB 34 (BZ)	ND		0.010	0.00019	ng/g
PCB 35 (BZ)	ND		0.010	0.00019	ng/g
PCB 36 (BZ)	ND		0.010	0.00018	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00028	Q J	0.010	0.00019	ng/g
PCB 38 (BZ)	ND		0.010	0.00019	ng/g
PCB 39 (BZ)	ND		0.010	0.00017	ng/g
PCB 40 (BZ)	0.00037	Q C J	0.010	0.00027	ng/g
PCB 41 (BZ)	0.00037	Q C40 J	0.010	0.00027	ng/g
PCB 42 (BZ)	ND		0.010	0.00027	ng/g
PCB 43 (BZ)	ND		0.010	0.00025	ng/g
PCB 44 (BZ)	0.00084	C J	0.010	0.00024	ng/g
PCB 45 (BZ)	ND		0.010	0.00028	ng/g
PCB 46 (BZ)	ND		0.010	0.00033	ng/g
PCB 47 (BZ)	0.00084	C44 J	0.010	0.00024	ng/g
PCB 48 (BZ)	ND		0.010	0.00026	ng/g
PCB 49 (BZ)	ND		0.010	0.00022	ng/g
PCB 50 (BZ)	ND		0.010	0.00026	ng/g
PCB 51 (BZ)	ND		0.010	0.00028	ng/g
PCB 52 (BZ)	ND		0.010	0.00026	ng/g
PCB 53 (BZ)	ND		0.010	0.00026	ng/g
PCB 54 (BZ)	ND		0.010	0.00068	ng/g
PCB 55 (BZ)	ND		0.010	0.00021	ng/g
PCB 56 (BZ)	ND		0.010	0.00019	ng/g
PCB 57 (BZ)	ND		0.010	0.00020	ng/g
PCB 58 (BZ)	ND		0.010	0.00020	ng/g
PCB 59 (BZ)	ND		0.010	0.00019	ng/g
PCB 60 (BZ)	ND		0.010	0.00020	ng/g
PCB 61 (BZ)	0.00084	C J	0.020	0.00019	ng/g
PCB 62 (BZ)	ND		0.010	0.00019	ng/g
PCB 63 (BZ)	ND		0.010	0.00018	ng/g
PCB 64 (BZ)	ND		0.010	0.00018	ng/g
PCB 65 (BZ)	0.00084	C44 J	0.010	0.00024	ng/g
PCB 66 (BZ)	ND		0.010	0.00019	ng/g
PCB 67 (BZ)	ND		0.010	0.00018	ng/g
PCB 68 (BZ)	ND		0.010	0.00018	ng/g
PCB 69 (BZ)	ND		0.010	0.00022	ng/g
PCB 70 (BZ)	0.00084	C61 J	0.020	0.00019	ng/g
PCB 71 (BZ)	0.00037	Q C40 J	0.010	0.00027	ng/g
PCB 72 (BZ)	ND		0.010	0.00019	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B Work Order #....: M06W81AA Matrix....: BIOLOGICAL
 Dilution Factor: 1 Analysis Date....: 06/27/13
 Prep Date....: 06/21/13 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND	0.010	0.00025	ng/g
PCB 74 (BZ)	0.00084	C61 J	0.00019	ng/g
PCB 75 (BZ)	ND	0.010	0.00019	ng/g
PCB 76 (BZ)	0.00084	C61 J	0.00019	ng/g
PCB 77 (BZ)	ND	0.010	0.00018	ng/g
PCB 78 (BZ)	ND	0.010	0.00020	ng/g
PCB 79 (BZ)	ND	0.010	0.00018	ng/g
PCB 80 (BZ)	ND	0.010	0.00017	ng/g
PCB 81 (BZ)	ND	0.010	0.00018	ng/g
PCB 82 (BZ)	ND	0.010	0.00043	ng/g
PCB 83 (BZ)	ND	0.010	0.00036	ng/g
PCB 84 (BZ)	ND	0.010	0.00041	ng/g
PCB 85 (BZ)	ND	0.010	0.00030	ng/g
PCB 86 (BZ)	ND	0.010	0.00031	ng/g
PCB 87 (BZ)	ND	0.010	0.00031	ng/g
PCB 88 (BZ)	ND	0.010	0.00037	ng/g
PCB 89 (BZ)	ND	0.010	0.00040	ng/g
PCB 90 (BZ)	ND	0.010	0.00031	ng/g
PCB 91 (BZ)	ND	0.010	0.00037	ng/g
PCB 92 (BZ)	ND	0.010	0.00035	ng/g
PCB 93 (BZ)	ND	0.010	0.00036	ng/g
PCB 94 (BZ)	ND	0.010	0.00040	ng/g
PCB 95 (BZ)	ND	0.010	0.00038	ng/g
PCB 96 (BZ)	ND	0.010	0.00030	ng/g
PCB 97 (BZ)	ND	0.010	0.00031	ng/g
PCB 98 (BZ)	ND	0.010	0.00035	ng/g
PCB 99 (BZ)	ND	0.010	0.00036	ng/g
PCB 100 (BZ)	ND	0.010	0.00036	ng/g
PCB 101 (BZ)	ND	0.010	0.00031	ng/g
PCB 102 (BZ)	ND	0.010	0.00035	ng/g
PCB 103 (BZ)	ND	0.010	0.00035	ng/g
PCB 104 (BZ)	ND	0.010	0.00027	ng/g
PCB 105 (BZ)	ND	0.010	0.00018	ng/g
PCB 106 (BZ)	ND	0.010	0.00019	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND	0.010	0.00019	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND	0.010	0.00019	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 06/21/13 **Analysis Date....:** 06/27/13
Prep Batch #: 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	ND		0.010	0.00031	ng/g
PCB 110 (BZ)	0.00058	Q C J	0.010	0.00027	ng/g
PCB 111 (BZ)	ND		0.010	0.00025	ng/g
PCB 112 (BZ)	ND		0.010	0.00027	ng/g
PCB 113 (BZ)	ND		0.010	0.00031	ng/g
PCB 114 (BZ)	ND		0.010	0.00017	ng/g
PCB 115 (BZ)	0.00058	Q C110 J	0.010	0.00027	ng/g
PCB 116 (BZ)	ND		0.010	0.00030	ng/g
PCB 117 (BZ)	ND		0.010	0.00030	ng/g
PCB 118 (BZ)	0.00037	Q J	0.010	0.00018	ng/g
PCB 119 (BZ)	ND		0.010	0.00031	ng/g
PCB 120 (BZ)	ND		0.010	0.00026	ng/g
PCB 121 (BZ)	ND		0.010	0.00026	ng/g
PCB 122 (BZ)	ND		0.010	0.00021	ng/g
PCB 123 (BZ)	ND		0.010	0.00019	ng/g
PCB 124 (BZ)	ND		0.010	0.00019	ng/g
PCB 125 (BZ)	ND		0.010	0.00031	ng/g
PCB 126 (BZ)	ND		0.010	0.00019	ng/g
PCB 127 (BZ)	ND		0.010	0.00019	ng/g
PCB 128 (BZ)	ND		0.010	0.00031	ng/g
PCB 129 (BZ)	0.00098	C J	0.010	0.00032	ng/g
PCB 130 (BZ)	ND		0.010	0.00041	ng/g
PCB 131 (BZ)	ND		0.010	0.00042	ng/g
PCB 132 (BZ)	ND		0.010	0.00040	ng/g
PCB 133 (BZ)	ND		0.010	0.00039	ng/g
PCB 134 (BZ)	ND		0.010	0.00041	ng/g
PCB 135 (BZ)	ND		0.010	0.00053	ng/g
PCB 136 (BZ)	ND		0.010	0.00039	ng/g
PCB 137 (BZ)	ND		0.010	0.00036	ng/g
PCB 138 (BZ)	0.00098	C129 J	0.010	0.00032	ng/g
PCB 139 (BZ)	ND		0.010	0.00035	ng/g
PCB 140 (BZ)	ND		0.010	0.00035	ng/g
PCB 141 (BZ)	ND		0.010	0.00037	ng/g
PCB 142 (BZ)	ND		0.010	0.00041	ng/g
PCB 143 (BZ)	ND		0.010	0.00041	ng/g
PCB 144 (BZ)	ND		0.010	0.00049	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B Work Order #....: M06W81AA Matrix....: BIOLOGICAL
 Dilution Factor: 1
 Prep Date....: 06/21/13 Analysis Date....: 06/27/13
 Prep Batch #: 3172043
 Initial Wgt/Vol : 10 g Instrument ID....: M1D Method: EPA-22 1668A
 Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND	0.010	0.00037	ng/g
PCB 146 (BZ)	ND	0.010	0.00034	ng/g
PCB 147 (BZ)	0.00057	Q C J	0.00034	ng/g
PCB 148 (BZ)	ND	0.010	0.00052	ng/g
PCB 149 (BZ)	0.00057	Q C147 J	0.00034	ng/g
PCB 150 (BZ)	ND	0.010	0.00036	ng/g
PCB 151 (BZ)	ND	0.010	0.00053	ng/g
PCB 152 (BZ)	ND	0.010	0.00037	ng/g
PCB 153 (BZ)	0.00086	C J	0.00028	ng/g
PCB 154 (BZ)	ND	0.010	0.00043	ng/g
PCB 155 (BZ)	ND	0.010	0.00035	ng/g
PCB 156 (BZ)	ND	0.010	0.00037	ng/g
PCB 157 (BZ)	ND	0.010	0.00037	ng/g
PCB 158 (BZ)	ND	0.010	0.00025	ng/g
PCB 159 (BZ)	ND	0.010	0.00027	ng/g
PCB 160 (BZ)	0.00098	C129 J	0.00032	ng/g
PCB 161 (BZ)	ND	0.010	0.00027	ng/g
PCB 162 (BZ)	ND	0.010	0.00027	ng/g
PCB 163 (BZ)	0.00098	C129 J	0.00032	ng/g
PCB 164 (BZ)	ND	0.010	0.00028	ng/g
PCB 165 (BZ)	ND	0.010	0.00030	ng/g
PCB 166 (BZ)	ND	0.010	0.00031	ng/g
PCB 167 (BZ)	ND	0.010	0.00021	ng/g
PCB 168 (BZ)	0.00086	C153 J	0.00028	ng/g
PCB 169 (BZ)	ND	0.010	0.00018	ng/g
PCB 170 (BZ)	ND	0.010	0.00032	ng/g
PCB 171 (BZ)	ND	0.010	0.00033	ng/g
PCB 172 (BZ)	ND	0.010	0.00032	ng/g
PCB 173 (BZ)	ND	0.010	0.00033	ng/g
PCB 174 (BZ)	ND	0.010	0.00030	ng/g
PCB 175 (BZ)	ND	0.010	0.00029	ng/g
PCB 176 (BZ)	ND	0.010	0.00022	ng/g
PCB 177 (BZ)	ND	0.010	0.00031	ng/g
PCB 178 (BZ)	ND	0.010	0.00032	ng/g
PCB 179 (BZ)	ND	0.010	0.00023	ng/g
PCB 180 (BZ)	0.00045	C J	0.00025	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B **Work Order #....:** M06W81AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1 **Analysis Date....:** 06/27/13
Prep Date....: 06/21/13 **Prep Batch #:** 3172043
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Jon M. Nordquist

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.010	0.00029	ng/g
PCB 182 (BZ)	ND		0.010	0.00028	ng/g
PCB 183 (BZ)	ND		0.010	0.00029	ng/g
PCB 184 (BZ)	ND		0.010	0.00024	ng/g
PCB 185 (BZ)	ND		0.010	0.00029	ng/g
PCB 186 (BZ)	ND		0.010	0.00023	ng/g
PCB 187 (BZ)	ND		0.010	0.00027	ng/g
PCB 188 (BZ)	ND		0.010	0.00022	ng/g
PCB 189 (BZ)	ND		0.010	0.00018	ng/g
PCB 190 (BZ)	ND		0.010	0.00023	ng/g
PCB 191 (BZ)	ND		0.010	0.00022	ng/g
PCB 192 (BZ)	ND		0.010	0.00025	ng/g
PCB 193 (BZ)	0.00045	C180 J	0.010	0.00025	ng/g
PCB 194 (BZ)	0.00073	J	0.010	0.00032	ng/g
PCB 195 (BZ)	ND		0.010	0.00035	ng/g
PCB 196 (BZ)	ND		0.010	0.00044	ng/g
PCB 197 (BZ)	ND		0.010	0.00033	ng/g
PCB 198 (BZ)	ND		0.010	0.00045	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND		0.010	0.00045	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00032	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.010	0.00031	ng/g
PCB 202 (BZ)	ND		0.010	0.00035	ng/g
PCB 203 (BZ)	ND		0.010	0.00040	ng/g
PCB 204 (BZ)	ND		0.010	0.00034	ng/g
PCB 205 (BZ)	ND		0.010	0.00027	ng/g
PCB 206 (BZ)	ND		0.010	0.00041	ng/g
PCB 207 (BZ)	ND		0.010	0.00031	ng/g
PCB 208 (BZ)	ND		0.010	0.00034	ng/g
PCB 209 (BZ)	ND		0.010	0.00058	ng/g

Method Blank Report**Trace Level Organic Compounds**

Lot - Sample #....: H3F210000 - 043B

Work Order #....: M06W81AA

Matrix....: BIOLOGICAL

Dilution Factor: 1

Prep Date....: 06/21/13

Analysis Date....: 06/27/13

Prep Batch #: 3172043

Initial Wgt/Vol : 10 g

Instrument ID....: M1D

Method: EPA-22 1668A

Analyst ID....: Jon M. Nordquist

INTERNAL STANDARDS**PERCENT
RECOVERY****RECOVERY
LIMITS**

13C12-PCB 1	67		30 - 140
13C12-PCB 3	67		30 - 140
13C12-PCB 4	68		30 - 140
13C12-PCB 15	74		30 - 140
13C12-PCB 19	64		30 - 140
13C12-PCB 37	72		30 - 140
13C12-PCB 54	52		30 - 140
13C12-PCB 77	76		30 - 140
13C12-PCB 81	75		30 - 140
13C12-PCB 104	72		30 - 140
13C12-PCB 105	74		30 - 140
13C12-PCB 114	78		30 - 140
13C12-PCB 118	75		30 - 140
13C12-PCB 123	75		30 - 140
13C12-PCB 126	74		30 - 140
13C12-PCB 155	71		30 - 140
13C12-PCB 156	86	C	30 - 140
13C12-PCB 157	86	C	30 - 140
13C12-PCB 167	84		30 - 140
13C12-PCB 169	93		30 - 140
13C12-PCB 170	85		30 - 140
13C12-PCB 188	80		30 - 140
13C12-PCB 189	82		30 - 140
13C12-PCB 202	86		30 - 140
13C12-PCB 205	72		30 - 140
13C12-PCB 206	89		30 - 140
13C12-PCB 208	81		30 - 140
13C12-PCB 209	77		30 - 140

SURROGATE**PERCENT
RECOVERY****RECOVERY
LIMITS**

13C12-PCB 28	72		40 - 125
13C12-PCB 111	79		40 - 125
13C12-PCB 178	77		40 - 125

Method Blank Report**Trace Level Organic Compounds****Lot - Sample #....:** H3F210000 - 043B**Work Order #....:** M06W81AA**Matrix....:** BIOLOGICAL**Dilution Factor:** 1**Prep Date....:** 06/21/13**Analysis Date....:** 06/27/13**Prep Batch #:** 3172043**Initial Wgt/Vol :** 10 g**Instrument ID....:** M1D**Method:** EPA-22 1668A**Analyst ID....:** Jon M. Nordquist**QUALIFIERS**

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: H3E290404 Work Order # ...: M06W81AC-LCS Matrix: BIOLOGICA
 LCS Lot-Sample# : H3F210000 - 043 Analysis Date ..: 06/27/13
 Prep Date: 06/21/13
 Prep Batch # ...: 3172043
 Dilution Factor : 1
 Analyst ID.....: Jon M. Nordquist Instrument ID..: M1D Method.....: EPA-22 1668A
 Initial Wgt/Vol: 10 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS
PCB 1 (BZ)	0.500	0.439	ng/g	88 B	(50 - 150)
PCB 3 (BZ)	0.500	0.478	ng/g	96	(50 - 150)
PCB 4 (BZ)	0.500	0.530	ng/g	106	(50 - 150)
PCB 15 (BZ)	0.500	0.538	ng/g	108 B	(50 - 150)
PCB 19 (BZ)	0.500	0.577	ng/g	115	(50 - 150)
PCB 37 (BZ)	0.500	0.533	ng/g	107 B	(50 - 150)
PCB 54 (BZ)	0.500	0.569	ng/g	114	(50 - 150)
PCB 77 (BZ)	0.500	0.534	ng/g	107	(50 - 150)
PCB 81 (BZ)	0.500	0.534	ng/g	107	(50 - 150)
PCB 104 (BZ)	0.500	0.554	ng/g	111	(50 - 150)
PCB 105 (BZ)	0.500	0.573	ng/g	115	(50 - 150)
PCB 114 (BZ)	0.500	0.600	ng/g	120	(50 - 150)
PCB 118 (BZ)	0.500	0.552	ng/g	110 B	(50 - 150)
PCB 123 (BZ)	0.500	0.630	ng/g	126	(50 - 150)
PCB 126 (BZ)	0.500	0.629	ng/g	126	(50 - 150)
PCB 155 (BZ)	0.500	0.578	ng/g	116	(50 - 150)
PCB 156 (BZ)	1.00	1.15	ng/g	115 C	(50 - 150)
PCB 157 (BZ)	1.00	1.15	ng/g	115 C C156	(50 - 150)
PCB 167 (BZ)	0.500	0.590	ng/g	118	(50 - 150)
PCB 169 (BZ)	0.500	0.542	ng/g	108	(50 - 150)
PCB 188 (BZ)	0.500	0.543	ng/g	109	(50 - 150)
PCB 189 (BZ)	0.500	0.586	ng/g	117	(50 - 150)
PCB 202 (BZ)	0.500	0.544	ng/g	109	(50 - 150)
PCB 205 (BZ)	0.500	0.655	ng/g	131	(50 - 150)
PCB 206 (BZ)	0.500	0.506	ng/g	101	(50 - 150)
PCB 208 (BZ)	0.500	0.530	ng/g	106	(50 - 150)
PCB 209 (BZ)	0.500	0.615	ng/g	123	(50 - 150)

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	60	(30 - 140)
13C12-PCB 3	59	(30 - 140)
13C12-PCB 4	62	(30 - 140)
13C12-PCB 15	68	(30 - 140)
13C12-PCB 19	63	(30 - 140)
13C12-PCB 37	70	(30 - 140)
13C12-PCB 54	48	(30 - 140)
13C12-PCB 77	71	(30 - 140)
13C12-PCB 81	71	(30 - 140)
13C12-PCB 104	67	(30 - 140)
13C12-PCB 105	66	(30 - 140)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: H3E290404
 LCS Lot-Sample# : H3F210000 - 043

Work Order # ...: M06W81AC-LCS

Matrix: BIOLOGICA

INTERNAL STANDARD

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 114	67	(30 - 140)
13C12-PCB 118	66	(30 - 140)
13C12-PCB 123	65	(30 - 140)
13C12-PCB 126	62	(30 - 140)
13C12-PCB 155	65	(30 - 140)
13C12-PCB 156	77 C	(30 - 140)
13C12-PCB 157	77 C	(30 - 140)
13C12-PCB 167	75	(30 - 140)
13C12-PCB 169	83	(30 - 140)
13C12-PCB 170	77	(30 - 140)
13C12-PCB 188	73	(30 - 140)
13C12-PCB 189	77	(30 - 140)
13C12-PCB 202	74	(30 - 140)
13C12-PCB 205	66	(30 - 140)
13C12-PCB 206	84	(30 - 140)
13C12-PCB 208	77	(30 - 140)
13C12-PCB 209	71	(30 - 140)

SURROGATE

	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	71	(40 - 125)
13C12-PCB 111	77	(40 - 125)
13C12-PCB 178	72	(40 - 125)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

Sample Receipt Documentation

TestAmerica Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

H13E290404

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

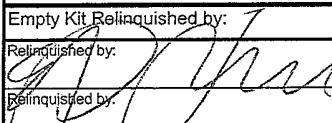
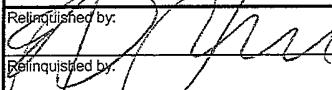
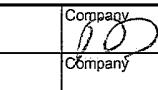
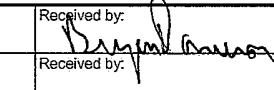
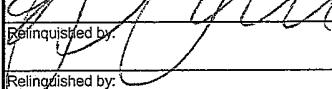
Client Information (Sub Contract Lab)		Sampler:	Lab PM: Colussy, Jill L	Carrier Tracking No(s):		COC No: 180-107409.1											
Client Contact: Shipping/Receiving	Phone:	E-Mail: jill.colussy@testamericainc.com			Page:	Page 1 of 2											
Company: TestAmerica Laboratories, Inc.					Job #:	180-21502-1											
Address: 5815 Middlebrook Pike, Knoxville	Due Date Requested: 6/24/2013	TAT Requested (days):	Analysis Requested		Preservation Codes:												
City: Knoxville					A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)											
State, Zip: TN, 37921																	
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:	WO #:															
Email:																	
Project Name: 0055364, Devils Swamp	Project #: 18009365																
Site:	SSOW#:																
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=Air)	Total Number of Samples											
				Preservation Code		Special Instructions/Note:											
055364-T2-052013-FT-CRAWFISH-5 (T) (180-21502-1)	5/20/13	12:30 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-5 (O) (180-21502-2)	5/20/13	12:30 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-6 (T) (180-21502-3)	5/22/13	12:05 Eastern	Tissue	X	NO CUSTODY SEALS	includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-6 (O) (180-21502-4)	5/22/13	12:05 Eastern	Tissue	X	RECEIVED AT 0800 1000 AM FEB 11 2013	includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-7 (T) (180-21502-5)	5/20/13	12:32 Eastern	Tissue	X	12:32 5/20/13	includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-7 (O) (180-21502-6)	5/20/13	12:32 Eastern	Tissue	X	1000 AM FEB 11 2013	includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-8 (T) (180-21502-7)	5/20/13	12:34 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-8 (O) (180-21502-8)	5/20/13	12:34 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-9 (T) (180-21502-9)	5/20/13	12:36 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-9 (O) (180-21502-10)	5/20/13	12:36 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
055364-T2-052013-FT-CRAWFISH-10 (T) (180-21502-11)	5/20/13	12:40 Eastern	Tissue	X		includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge											
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
Unconfirmed				<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For Months											
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:													
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:													
Relinquished by:		Date/Time:		Received by:		Date/Time:											
Relinquished by:		Date/Time:		Received by:		Date/Time:											
Relinquished by:		Date/Time:		Received by:		Date/Time:											
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s):		C and Other Remarks:											
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				4	3	12	1	0	9	8	7	6	5	4	3	2	1

TestAmerica Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

H3E-240404

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):		COC No:					
Client Contact: Shipping/Receiving	Phone:	Colussy, Jill L	E-Mail:			180-107409.2					
Company: TestAmerica Laboratories, Inc.		jill.colussy@testamericainc.com				Page:					
Address: 5815 Middlebrook Pike,	Due Date Requested: 6/24/2013					Page 2 of 2					
City: Knoxville	TAT Requested (days):					Job #:					
State, Zip: TN, 37921						180-21502-1					
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:					Preservation Codes:					
Email:	WO #:					A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)					
Project Name: 0055364, Devils Swamp	Project #: 18009365					Other:					
Site:	SSOW#:										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=Tissue, A=Air)	Field Filtered Sample (Y/N) <input checked="" type="checkbox"/>	Permit No. <input checked="" type="checkbox"/>	SDS <input checked="" type="checkbox"/>	Subcontract/Tissue-PCB CONGENER BY 1698-A-2016 <input checked="" type="checkbox"/>	Total Number of Samples <input checked="" type="checkbox"/>	Special Instructions/Note:
055364-T2-052013-FT-CRAWFISH-10 (O) (180-21502-12)		5/20/13	12:40 Eastern	Tissue		X					1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:									
Empty Kit Relinquished by: 		Date:	Time:	Method of Shipment:							
Relinquished by: 	Date/Time: 5/20/13 09:45	Company: 	Received by: 	Date/Time: 5/20/13 09:30	Company: 						
Relinquished by: 	Date/Time:	Company:	Received by:	Date/Time:	Company:						
Relinquished by: 	Date/Time:	Company:	Received by:	Date/Time:	Company:						
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s): °C and Other Remarks:									

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: 143E29D404

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other: NA	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C)	✓			<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?		✓		<input type="checkbox"/> 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?		✓		<input type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?	✓			<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?	✓			<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary?		✓		<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			<input type="checkbox"/> 10a Holding time expired	
11. For rad samples, was sample activity info. provided?		✓		<input type="checkbox"/> Incomplete information	
12. For 1613B water samples is pH<9?		✓		If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?		✓		<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?		✓		<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?		✓		<input type="checkbox"/> 19a Other	
Quote #: 901633	PM Instructions:	NA			

Sample Receiving Associate: Brynn Johnson

Date: 5-29-13

QA026R23.doc, 022812

TestAmerica Pittsburgh

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

H3F-240404
Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Colussy, Jill L		Carrier Tracking No(s):		COC No: 180-110948.1	
Client Contact: Shipping/Receiving		Phone:		E-Mail: jill.colussy@testamericainc.com				Page: Page 1 of 2	
Company: TestAmerica Laboratories, Inc.								Job #: 180-21502-1	
Address: 5815 Middlebrook Pike, City: Knoxville State, Zip: TN, 37921		Due Date Requested: 6/24/2013				Analysis Requested		Preservation Codes:	
Phone: 865-291-3000(Tel) 865-584-4315(Fax)		TAT Requested (days):						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)
Email:		PO #:		WO #:					
Project Name: 0055364, Devils Swamp		Project #: 18009365						Other:	
Site:		SSOW#:							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, T=tissue, A=Air)	Field Filtered Sample (Yes or No)	Part No	Total Number of containers	
						X	SUBCONTRACT/ TISSUE-PCB CONGENER BY 1668A-209		
055364-T2-052013-FT-CRAWFISH-5 (T) (180-21502-1)		5/20/13	12:30 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-5 (O) (180-21502-2)		5/20/13	12:30 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-6 (T) (180-21502-3)		5/22/13	12:05 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-6 (O) (180-21502-4)		5/22/13	12:05 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-7 (T) (180-21502-5)		5/20/13	12:32 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-7 (O) (180-21502-6)		5/20/13	12:32 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-8 (T) (180-21502-7)		5/20/13	12:34 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-8 (O) (180-21502-8)		5/20/13	12:34 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-9 (T) (180-21502-9)		5/20/13	12:36 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-9 (O) (180-21502-10)		5/20/13	12:36 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
055364-T2-052013-FT-CRAWFISH-10 (T) (180-21502-11)		5/20/13	12:40 Eastern		Tissue		X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: 		Date/Time: 5/21/13 10:20		Company: T. Knox		Received by: Jill Colussy		Date/Time: 5/21/13 10:20	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: _____							
		Cooler Temperature(s) °C and Other Remarks: _____ _____ _____							

H3E-29D402

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:	Lab PM: Colussy, Jill L		Carrier Tracking No(s):		COC No: 180-110948.2								
Client Contact: Shipping/Receiving		Phone:	E-Mail: jill.colussy@testamericainc.com				Page: Page 2 of 2								
Company: TestAmerica Laboratories, Inc.						Job #: 180-21502-1									
Address: 5815 Middlebrook Pike,		Due Date Requested: 6/24/2013				Preservation Codes:									
City: Knoxville		TAT Requested (days):				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3S S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)								
State, Zip: TN, 37921															
Phone: 865-291-3000(Tel) 865-584-4315(Fax)		PO #:													
Email:		WO #:													
Project Name: 0055364, Devils Swamp		Project #: 18009365													
Site:		SSOW#:													
		Sample Date	Sample Time	Sample Type (C=comp, G=grab) <small>BT=Tissue, A=Air</small>	Matrix (W=water, S=solid, O=waste/oil, A=Air)	Special Instructions/Note:									
		5/20/13	12:40 Eastern	Tissue	X	1 includes 25% tissue surcharge, \$35 GPC, 5% data package surcharge									
						<p>1 carbon Rec'd 0-2 ✓ with out custody seal ggy 6/21/13 1 carbon Rec'd X # 5682 3718 8368</p>									
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
Unconfirmed				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months											
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:											
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:											
Relinquished by: 		Date/Time: 6/20/13 12:40	Company: P	Received by: 	Date/Time: 6/21/13 10:20	Company: TP Knox									
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:									
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:									
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:											
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				4	13	12	10	9	8	7	6	5	4	3	2

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST
 Lot Number: H3E24D204

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)				<input type="checkbox"/> 1a Do not match COC <input type="checkbox"/> 1b Incomplete information <input type="checkbox"/> 1c Marking smeared <input type="checkbox"/> 1d Label torn <input type="checkbox"/> 1e No label <input type="checkbox"/> 1f COC not received <input type="checkbox"/> 1g Other: <i>4A</i>	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C)				<input type="checkbox"/> 2a Temp Blank = _____ <input type="checkbox"/> 2b Cooler Temp = _____ <input type="checkbox"/> 2c Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?				<input type="checkbox"/> 3a Sample preservative = _____	
4. Were custody seals present/intact on cooler and/or containers?				<input type="checkbox"/> 4a Not present <input type="checkbox"/> 4b Not intact <input type="checkbox"/> 4c Other:	
5. Were all of the samples listed on the COC received?				<input type="checkbox"/> 5a Samples received-not on COC <input type="checkbox"/> 5b Samples not received-on COC	
6. Were all of the sample containers received intact?				<input type="checkbox"/> 6a Leaking <input type="checkbox"/> 6b Broken	
7. Were VOA samples received without headspace?				<input type="checkbox"/> 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?				<input type="checkbox"/> 8a Improper container	
9. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668)				<input type="checkbox"/> 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?				<input type="checkbox"/> 10a Holding time expired <input type="checkbox"/> Incomplete information	
11. For rad samples, was sample activity info. provided?					
12. For 1613B water samples is pH<9?				If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?				<input type="checkbox"/> 13a Leaking <input type="checkbox"/> 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)				<input type="checkbox"/> 14a Not relinquished	
15. Are tests/parameters listed for each sample?				<input type="checkbox"/> 15a Incomplete information	
16. Is the matrix of the samples noted?				<input type="checkbox"/> 15a Incomplete information	
17. Is the date/time of sample collection noted?				<input type="checkbox"/> 15a Incomplete information	
18. Is the client and project name/# identified?				<input type="checkbox"/> 15a Incomplete information	
19. Was the sampler identified on the COC?				<input type="checkbox"/> 19a Other	
Quote #: _____	PM Instructions:				

Sample Receiving Associate: *George J. Howard*

Date: *6/24/13*

QA026R24.doc, 060413

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 180-21502-1

Login Number: 21502

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: O'Donnell, Brandon R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-21640-1

Client Project/Site: 0055364, Devils Swamp

For:

Conestoga-Rovers & Associates, Inc.

9033 Meridian Way

West Chester, Ohio 45069

Attn: Deborah Brennan

Kathy Myers

Authorized for release by:

7/15/2013 2:58:48 PM

Kathy Myers, Project Mgmt. Assistant

(412)963-2447

kathy.myers@testamericainc.com

Designee for

Jill Colussy, Project Manager I

jill.colussy@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Job ID: 180-21640-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 0055364, Devils Swamp

Report Number: 180-21640-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/29/2013 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.1° C and 3.4° C.

SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 055364-T2-052813-FT-CRAWFISH-16(H) (180-21640-11)[5X], 055364-T2-052813-FT-CRAWFISH-17(H) (180-21640-12)[5X], 055364-T2-052813-FT-CRAWFISH-18(H) (180-21640-13)[5X], 055364-T2-052813-FT-CRAWFISH-16(T) (180-21640-15)[5X], 055364-T2-052813-FT-CRAWFISH-17(T) (180-21640-17)[5X] and 055364-T2-052813-FT-CRAWFISH-18(T) (180-21640-19)[5X] were analyzed at a dilution due to matrix. The reporting limits have been adjusted accordingly.

Several samples had surrogate 2,4,6-Tribromophenol recover outside of the control limits due to matrix interference.

Samples 055364-T2-052813-FT-CRAWFISH-17(H) (180-21640-12) and 055364-T2-052813-FT-CRAWFISH-18(H) (180-21640-13) had internal standard area count not meet criteria due to matrix interference. The samples analyzed before and after these sample had all internal standard area counts meet criteria showing that instrument was in control.

Due to the matrix, the following samples could not be concentrated to the final method required volume: (180-21640-11 MS), (180-21640-11 MSD), 055364-T2-052813-FT-CRAWFISH-16(H) (180-21640-11), 055364-T2-052813-FT-CRAWFISH-17(H) (180-21640-12), 055364-T2-052813-FT-CRAWFISH-18(H) (180-21640-13). The reporting limits (RLs) are elevated proportionately.

METALS

The blanks had analytes detected at levels that were above the method detection limit but below the reporting limit. The values should be considered an estimate, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

MOISTURE

No difficulties were encountered during the Moisture analysis.

PERCENT LIPIDS

No difficulties were encountered during the % lipids analysis.

SUBCONTRACTED WORK

Method TISSUE-PCB CONGENER BY 1668A-209: This method was subcontracted to TestAmerica Knoxville. The subcontract certification is different from those listed on the TestAmerica cover page of this final report.

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Job ID: 180-21640-1 (Continued)

Laboratory: TestAmerica Pittsburgh (Continued)

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.

Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13 *
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14
Illinois	NELAP	5	002602	06-30-13 *
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13 *
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-14
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13 *

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pittsburgh

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-21640-1	055364-T2-052213-FT-CRAWFISH-11(T)	Tissue	05/22/13 11:35	05/29/13 10:00
180-21640-2	055364-T2-052213-FT-CRAWFISH-11(O)	Tissue	05/22/13 11:35	05/29/13 10:00
180-21640-3	055364-T2-052213-FT-CRAWFISH-12(T)	Tissue	05/22/13 11:40	05/29/13 10:00
180-21640-4	055364-T2-052213-FT-CRAWFISH-12(O)	Tissue	05/22/13 11:40	05/29/13 10:00
180-21640-5	055364-T2-052213-FT-CRAWFISH-13(T)	Tissue	05/22/13 11:45	05/29/13 10:00
180-21640-6	055364-T2-052213-FT-CRAWFISH-13(O)	Tissue	05/22/13 11:45	05/29/13 10:00
180-21640-7	055364-T2-052213-FT-CRAWFISH-14(T)	Tissue	05/22/13 11:50	05/29/13 10:00
180-21640-8	055364-T2-052213-FT-CRAWFISH-14(O)	Tissue	05/22/13 11:50	05/29/13 10:00
180-21640-9	055364-T2-052213-FT-CRAWFISH-15(T)	Tissue	05/22/13 11:55	05/29/13 10:00
180-21640-10	055364-T2-052213-FT-CRAWFISH-15(O)	Tissue	05/22/13 11:55	05/29/13 10:00
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Tissue	05/28/13 12:00	05/29/13 10:00
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Tissue	05/28/13 12:15	05/29/13 10:00
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Tissue	05/28/13 12:25	05/29/13 10:00
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Tissue	05/28/13 12:00	05/29/13 10:00
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Tissue	05/28/13 12:15	05/29/13 10:00
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Tissue	05/28/13 12:25	05/29/13 10:00

TestAmerica Pittsburgh

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL PIT
6020	Metals (ICP/MS)	SW846	TAL PIT
7471A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
Lipids	Percent Lipids	TestAmerica SOP	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-11(T)

Lab Sample ID: 180-21640-1

Matrix: Tissue

Date Collected: 05/22/13 11:35

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.2 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:45	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-11(O)

Lab Sample ID: 180-21640-2

Matrix: Tissue

Date Collected: 05/22/13 11:35

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.2 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:47	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-12(T)

Lab Sample ID: 180-21640-3

Matrix: Tissue

Date Collected: 05/22/13 11:40

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.0 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:48	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-12(O)

Lab Sample ID: 180-21640-4

Matrix: Tissue

Date Collected: 05/22/13 11:40

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.4 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-12(O)

Lab Sample ID: 180-21640-4

Matrix: Tissue

Date Collected: 05/22/13 11:40

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			75945	06/26/13 19:49	JWM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-13(T)

Lab Sample ID: 180-21640-5

Matrix: Tissue

Date Collected: 05/22/13 11:45

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Prep	3541			10.0 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:50	JWM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-13(O)

Lab Sample ID: 180-21640-6

Matrix: Tissue

Date Collected: 05/22/13 11:45

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Prep	3541			10.0 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:51	JWM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-14(T)

Lab Sample ID: 180-21640-7

Matrix: Tissue

Date Collected: 05/22/13 11:50

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Prep	3541			10.3 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:52	JWM	TAL PIT
Instrument ID: NOEQUIP										

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-14(O)

Lab Sample ID: 180-21640-8

Matrix: Tissue

Date Collected: 05/22/13 11:50

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.2 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:53	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-15(T)

Lab Sample ID: 180-21640-9

Matrix: Tissue

Date Collected: 05/22/13 11:55

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.4 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:54	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-15(O)

Lab Sample ID: 180-21640-10

Matrix: Tissue

Date Collected: 05/22/13 11:55

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.0 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:55	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)

Lab Sample ID: 180-21640-11

Matrix: Tissue

Date Collected: 05/28/13 12:00

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3541			15.4 g	10.0 mL	75835	06/26/13 06:30	BAP	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	5.0 mL	75865	06/26/13 10:22	BAP	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)

Date Collected: 05/28/13 12:00

Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-11

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C LL		5			76346	06/30/13 07:27	FBB	TAL PIT
		Instrument ID: 722								
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Prep	7471A			00000.62 g	100 mL	75301	06/20/13 10:26	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75367	06/20/13 11:42	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Prep	3050B			00001.03 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75552	06/22/13 17:53	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.4 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:56	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(H)

Date Collected: 05/28/13 12:15

Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-12

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Prep	3541			15.3 g	10.0 mL	75835	06/26/13 06:30	BAP	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	5.0 mL	75865	06/26/13 10:22	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			76346	06/30/13 07:55	FBB	TAL PIT
		Instrument ID: 722								
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Prep	7471A			00000.60 g	100 mL	75301	06/20/13 04:24	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75367	06/20/13 09:17	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Prep	3050B			00001.08 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75552	06/22/13 17:58	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Cleanup	Frozen Storage				73385	05/31/13 06:30	LEM	TAL PIT	
Total/NA	Cleanup	In House				73387	05/31/13 06:35	LEM	TAL PIT	
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.2 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(H)

Date Collected: 05/28/13 12:15
Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-12

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			75945	06/26/13 19:58	JWM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(H)

Date Collected: 05/28/13 12:25
Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-13

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3541			15.0 g	10.0 mL	75835	06/26/13 06:30	BAP	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	5.0 mL	75865	06/26/13 10:22	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			76346	06/30/13 08:22	FBB	TAL PIT
Instrument ID: 722										
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	7471A			00000.60 g	100 mL	75301	06/20/13 04:24	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75367	06/20/13 09:22	WAH	TAL PIT
Instrument ID: G										
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3050B			00001.03 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75552	06/22/13 18:03	WTR	TAL PIT
Instrument ID: M										
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Prep	3541			10.3 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 19:59	JWM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(T)

Date Collected: 05/28/13 12:00
Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-15

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3541			15.0 g	10.0 mL	75835	06/26/13 06:30	BAP	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	0.5 mL	75865	06/26/13 10:22	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			76346	06/30/13 08:50	FBB	TAL PIT
Instrument ID: 722										
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(T)

Date Collected: 05/28/13 12:00

Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-15

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			00000.62 g	100 mL	75301	06/20/13 04:24	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75367	06/20/13 09:24	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3050B			00001.00 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75632	06/23/13 15:26	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.2 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 20:00	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(T)

Date Collected: 05/28/13 12:15

Date Received: 05/29/13 10:00

Lab Sample ID: 180-21640-17

Matrix: Tissue

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3541			15.4 g	10.0 mL	75835	06/26/13 06:30	BAP	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	0.5 mL	75865	06/26/13 10:22	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			76346	06/30/13 09:17	FBB	TAL PIT
		Instrument ID: 722								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	7471A			00000.62 g	100 mL	75301	06/20/13 04:24	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75367	06/20/13 09:26	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3050B			00001.01 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75632	06/23/13 15:31	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.0 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 20:01	JWM	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(T)

Lab Sample ID: 180-21640-19

Matrix: Tissue

Date Collected: 05/28/13 12:25

Date Received: 05/29/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3541			15.3 g	10.0 mL	75835	06/26/13 06:30	BAP	TAL PIT
Total/NA	Cleanup	3640A			5.0 mL	0.5 mL	75865	06/26/13 10:22	BAP	TAL PIT
Total/NA	Analysis	8270C LL		5			76346	06/30/13 09:45	FBB	TAL PIT
		Instrument ID: 722								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	7471A			00000.61 g	100 mL	75301	06/20/13 04:24	WAH	TAL PIT
Total/NA	Analysis	7471A		1			75367	06/20/13 09:28	WAH	TAL PIT
		Instrument ID: G								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Prep	3050B			00001.05 g	100 mL	75345	06/20/13 10:35	CEH	TAL PIT
Total/NA	Analysis	6020		1			75632	06/23/13 15:36	WTR	TAL PIT
		Instrument ID: M								
Total/NA	Cleanup	Frozen Storage					73385	05/31/13 06:30	LEM	TAL PIT
Total/NA	Cleanup	In House					73387	05/31/13 06:35	LEM	TAL PIT
Total/NA	Analysis	Lipids		1			75919	06/26/13 06:30	JWM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	3541			10.1 g	10.0 mL	75834	06/26/13 06:30	BAP	TAL PIT
Total/NA	Analysis	2540G		1			75945	06/26/13 20:02	JWM	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

BAP = Brian Pino

LEM = Lauren McGrath

Batch Type: Prep

BAP = Brian Pino

CEH = Caitlyn Haluck

WAH = William Hoyle

Batch Type: Analysis

FBB = Frank Bungard

JWM = Jeremiah McLaughlin

WAH = William Hoyle

WTR = Bill Reinheimer

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-11(T)

Lab Sample ID: 180-21640-1

Date Collected: 05/22/13 11:35

Matrix: Tissue

Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/26/13 19:45	1
Percent Lipids	0.28		0.098	0.029	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-11(O)

Lab Sample ID: 180-21640-2

Date Collected: 05/22/13 11:35

Matrix: Tissue

Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	74		0.10	0.10	%			06/26/13 19:47	1
Percent Lipids	2.1		0.098	0.029	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-12(T)

Lab Sample ID: 180-21640-3

Date Collected: 05/22/13 11:40

Matrix: Tissue

Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/26/13 19:48	1
Percent Lipids	0.17		0.10	0.030	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-12(O)

Lab Sample ID: 180-21640-4

Date Collected: 05/22/13 11:40

Matrix: Tissue

Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/26/13 19:49	1
Percent Lipids	2.2		0.096	0.028	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-13(T)

Lab Sample ID: 180-21640-5

Date Collected: 05/22/13 11:45

Matrix: Tissue

Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	80		0.10	0.10	%			06/26/13 19:50	1
Percent Lipids	0.12		0.10	0.030	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-13(O)

Lab Sample ID: 180-21640-6

Date Collected: 05/22/13 11:45

Matrix: Tissue

Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/26/13 19:51	1
Percent Lipids	1.8		0.10	0.030	%		06/26/13 06:30	06/26/13 06:30	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-14(T)

Lab Sample ID: 180-21640-7

Date Collected: 05/22/13 11:50
Date Received: 05/29/13 10:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	82		0.10	0.10	%			06/26/13 19:52	1
Percent Lipids	0.13		0.097	0.029	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-14(O)

Lab Sample ID: 180-21640-8

Date Collected: 05/22/13 11:50
Date Received: 05/29/13 10:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/26/13 19:53	1
Percent Lipids	1.3		0.098	0.029	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-15(T)

Lab Sample ID: 180-21640-9

Date Collected: 05/22/13 11:55
Date Received: 05/29/13 10:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/26/13 19:54	1
Percent Lipids	0.094	J	0.096	0.028	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-15(O)

Lab Sample ID: 180-21640-10

Date Collected: 05/22/13 11:55
Date Received: 05/29/13 10:00

Matrix: Tissue

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	73		0.10	0.10	%			06/26/13 19:55	1
Percent Lipids	1.7		0.10	0.030	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)

Lab Sample ID: 180-21640-11

Date Collected: 05/28/13 12:00
Date Received: 05/29/13 10:00

Matrix: Tissue

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		650	69	ug/Kg		06/26/13 06:30	06/30/13 07:27	5
Hexachlorobutadiene	ND		650	73	ug/Kg		06/26/13 06:30	06/30/13 07:27	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	293	X	21 - 116				06/26/13 06:30	06/30/13 07:27	5
2-Fluorobiphenyl	53		28 - 108				06/26/13 06:30	06/30/13 07:27	5
2-Fluorophenol	45		28 - 107				06/26/13 06:30	06/30/13 07:27	5
Nitrobenzene-d5	59		27 - 110				06/26/13 06:30	06/30/13 07:27	5
Phenol-d5	58		30 - 112				06/26/13 06:30	06/30/13 07:27	5
Terphenyl-d14	47		21 - 130				06/26/13 06:30	06/30/13 07:27	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.77	B	0.097	0.018	mg/Kg		06/20/13 10:35	06/22/13 17:53	1
Lead	0.053	J B	0.097	0.0037	mg/Kg		06/20/13 10:35	06/22/13 17:53	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)

Lab Sample ID: 180-21640-11

Matrix: Tissue

Date Collected: 05/28/13 12:00
Date Received: 05/29/13 10:00

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		06/20/13 10:26	06/20/13 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		0.10	0.10	%		06/26/13 06:30	06/26/13 19:56	1
Percent Lipids	21		0.096	0.028	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(H)

Lab Sample ID: 180-21640-12

Matrix: Tissue

Date Collected: 05/28/13 12:15
Date Received: 05/29/13 10:00

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		660	70	ug/Kg		06/26/13 06:30	06/30/13 07:55	5
Hexachlorobutadiene	ND		660	73	ug/Kg		06/26/13 06:30	06/30/13 07:55	5
Surrogate									
%Recovery Qualifier Limits									
2,4,6-Tribromophenol	306	X	21 - 116				06/26/13 06:30	06/30/13 07:55	5
2-Fluorobiphenyl	51		28 - 108				06/26/13 06:30	06/30/13 07:55	5
2-Fluorophenol	44		28 - 107				06/26/13 06:30	06/30/13 07:55	5
Nitrobenzene-d5	55		27 - 110				06/26/13 06:30	06/30/13 07:55	5
Phenol-d5	51		30 - 112				06/26/13 06:30	06/30/13 07:55	5
Terphenyl-d14	47		21 - 130				06/26/13 06:30	06/30/13 07:55	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.98	B	0.093	0.017	mg/Kg		06/20/13 10:35	06/22/13 17:58	1
Lead	0.086	J B	0.093	0.0035	mg/Kg		06/20/13 10:35	06/22/13 17:58	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	36		0.10	0.10	%		06/26/13 06:30	06/26/13 19:58	1
Percent Lipids	36		0.098	0.029	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(H)

Lab Sample ID: 180-21640-13

Matrix: Tissue

Date Collected: 05/28/13 12:25
Date Received: 05/29/13 10:00

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		670	71	ug/Kg		06/26/13 06:30	06/30/13 08:22	5
Hexachlorobutadiene	ND		670	75	ug/Kg		06/26/13 06:30	06/30/13 08:22	5
Surrogate									
%Recovery Qualifier Limits									
2,4,6-Tribromophenol	287	X	21 - 116				06/26/13 06:30	06/30/13 08:22	5
2-Fluorobiphenyl	53		28 - 108				06/26/13 06:30	06/30/13 08:22	5
2-Fluorophenol	42		28 - 107				06/26/13 06:30	06/30/13 08:22	5

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(H)

Lab Sample ID: 180-21640-13

Matrix: Tissue

Date Collected: 05/28/13 12:25
Date Received: 05/29/13 10:00

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	55		27 - 110	06/26/13 06:30	06/30/13 08:22	5
Phenol-d5	49		30 - 112	06/26/13 06:30	06/30/13 08:22	5
Terphenyl-d14	46		21 - 130	06/26/13 06:30	06/30/13 08:22	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.74	B	0.097	0.018	mg/Kg		06/20/13 10:35	06/22/13 18:03	1
Lead	0.22	B	0.097	0.0037	mg/Kg		06/20/13 10:35	06/22/13 18:03	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	39		0.10	0.10	%		06/26/13 19:59		1
Percent Lipids	21		0.097	0.029	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(T)

Lab Sample ID: 180-21640-15

Matrix: Tissue

Date Collected: 05/28/13 12:00
Date Received: 05/29/13 10:00

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		67	7.1	ug/Kg		06/26/13 06:30	06/30/13 08:50	5
Hexachlorobutadiene	ND		67	7.5	ug/Kg		06/26/13 06:30	06/30/13 08:50	5

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		21 - 116	06/26/13 06:30	06/30/13 08:50	5
2-Fluorobiphenyl	45		28 - 108	06/26/13 06:30	06/30/13 08:50	5
2-Fluorophenol	43		28 - 107	06/26/13 06:30	06/30/13 08:50	5
Nitrobenzene-d5	49		27 - 110	06/26/13 06:30	06/30/13 08:50	5
Phenol-d5	46		30 - 112	06/26/13 06:30	06/30/13 08:50	5
Terphenyl-d14	37		21 - 130	06/26/13 06:30	06/30/13 08:50	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11	B	0.10	0.018	mg/Kg		06/20/13 10:35	06/23/13 15:26	1
Lead	1.4	B	0.10	0.0038	mg/Kg		06/20/13 10:35	06/23/13 15:26	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025	J	0.032	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	80		0.10	0.10	%		06/26/13 20:00		1
Percent Lipids	0.14		0.098	0.029	%		06/26/13 06:30	06/26/13 06:30	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(T)

Lab Sample ID: 180-21640-17

Matrix: Tissue

Date Collected: 05/28/13 12:15
Date Received: 05/29/13 10:00

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		65	6.9	ug/Kg		06/26/13 06:30	06/30/13 09:17	5
Hexachlorobutadiene	ND		65	7.3	ug/Kg		06/26/13 06:30	06/30/13 09:17	5
Surrogate									
2,4,6-Tribromophenol	87		21 - 116				06/26/13 06:30	06/30/13 09:17	5
2-Fluorobiphenyl	54		28 - 108				06/26/13 06:30	06/30/13 09:17	5
2-Fluorophenol	47		28 - 107				06/26/13 06:30	06/30/13 09:17	5
Nitrobenzene-d5	56		27 - 110				06/26/13 06:30	06/30/13 09:17	5
Phenol-d5	51		30 - 112				06/26/13 06:30	06/30/13 09:17	5
Terphenyl-d14	45		21 - 130				06/26/13 06:30	06/30/13 09:17	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11	B	0.099	0.018	mg/Kg		06/20/13 10:35	06/23/13 15:31	1
Lead	0.032	J B	0.099	0.0038	mg/Kg		06/20/13 10:35	06/23/13 15:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	J	0.032	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	82		0.10	0.10	%			06/26/13 20:01	1
Percent Lipids	0.16		0.10	0.030	%		06/26/13 06:30	06/26/13 06:30	1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(T)

Lab Sample ID: 180-21640-19

Matrix: Tissue

Date Collected: 05/28/13 12:25

Date Received: 05/29/13 10:00

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		66	7.0	ug/Kg		06/26/13 06:30	06/30/13 09:45	5
Hexachlorobutadiene	ND		66	7.3	ug/Kg		06/26/13 06:30	06/30/13 09:45	5
Surrogate									
2,4,6-Tribromophenol	68		21 - 116				06/26/13 06:30	06/30/13 09:45	5
2-Fluorobiphenyl	45		28 - 108				06/26/13 06:30	06/30/13 09:45	5
2-Fluorophenol	42		28 - 107				06/26/13 06:30	06/30/13 09:45	5
Nitrobenzene-d5	49		27 - 110				06/26/13 06:30	06/30/13 09:45	5
Phenol-d5	45		30 - 112				06/26/13 06:30	06/30/13 09:45	5
Terphenyl-d14	38		21 - 130				06/26/13 06:30	06/30/13 09:45	5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11	B	0.095	0.017	mg/Kg		06/20/13 10:35	06/23/13 15:36	1
Lead	0.038	J B	0.095	0.0036	mg/Kg		06/20/13 10:35	06/23/13 15:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	J	0.032	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:28	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(T)

Lab Sample ID: 180-21640-19

Matrix: Tissue

Date Collected: 05/28/13 12:25
Date Received: 05/29/13 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81		0.10	0.10	%			06/26/13 20:02	1
Percent Lipids	0.14		0.099	0.029	%		06/26/13 06:30	06/26/13 06:30	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: LB 180-72914/19-H LB

Matrix: Tissue

Analysis Batch: 76346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75835

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	ND		13	1.4	ug/Kg		06/28/13 07:40	06/30/13 02:54	1
Hexachlorobutadiene	ND		13	1.5	ug/Kg		06/28/13 07:40	06/30/13 02:54	1
Surrogate									
2,4,6-Tribromophenol	44		21 - 116				06/28/13 07:40	06/30/13 02:54	1
2-Fluorobiphenyl	38		28 - 108				06/28/13 07:40	06/30/13 02:54	1
2-Fluorophenol	38		28 - 107				06/28/13 07:40	06/30/13 02:54	1
Nitrobenzene-d5	39		27 - 110				06/28/13 07:40	06/30/13 02:54	1
Phenol-d5	44		30 - 112				06/28/13 07:40	06/30/13 02:54	1
Terphenyl-d14	45		21 - 130				06/28/13 07:40	06/30/13 02:54	1

Lab Sample ID: MB 180-75835/1-B

Matrix: Tissue

Analysis Batch: 76346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75835

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	ND		13	1.4	ug/Kg		06/26/13 06:30	06/30/13 02:27	1
Hexachlorobutadiene	ND		13	1.5	ug/Kg		06/26/13 06:30	06/30/13 02:27	1
Surrogate									
2,4,6-Tribromophenol	67		21 - 116				06/26/13 06:30	06/30/13 02:27	1
2-Fluorobiphenyl	54		28 - 108				06/26/13 06:30	06/30/13 02:27	1
2-Fluorophenol	56		28 - 107				06/26/13 06:30	06/30/13 02:27	1
Nitrobenzene-d5	57		27 - 110				06/26/13 06:30	06/30/13 02:27	1
Phenol-d5	62		30 - 112				06/26/13 06:30	06/30/13 02:27	1
Terphenyl-d14	75		21 - 130				06/26/13 06:30	06/30/13 02:27	1

Lab Sample ID: LCS 180-75835/2-B

Matrix: Tissue

Analysis Batch: 76346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75835

Analyte	Spike		Result	LCS	LCS	D	%Rec	Limits
	Added	Qualifier						
Hexachlorobenzene	667		306		ug/Kg		46	42 - 110
Hexachlorobutadiene	667		270		ug/Kg		40	40 - 114
Surrogate								
2,4,6-Tribromophenol	55		21 - 116					
2-Fluorobiphenyl	42		28 - 108					
2-Fluorophenol	44		28 - 107					
Nitrobenzene-d5	44		27 - 110					
Phenol-d5	47		30 - 112					
Terphenyl-d14	47		21 - 130					

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 180-21640-11 MS				Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 76346				Prep Batch: 75835						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Hexachlorobenzene	ND		654	358	J	ug/Kg		55	42 - 110	
Hexachlorobutadiene	ND		654	375	J	ug/Kg		57	40 - 114	
Surrogate	MS %Recovery		MS Qualifier	Limits						
2,4,6-Tribromophenol	318	X		21 - 116						
2-Fluorobiphenyl	59			28 - 108						
2-Fluorophenol	45			28 - 107						
Nitrobenzene-d5	62			27 - 110						
Phenol-d5	64			30 - 112						
Terphenyl-d14	71			21 - 130						

Lab Sample ID: 180-21640-11 MSD				Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 76346				Prep Batch: 75835						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD
Hexachlorobenzene	ND		658	303	J	ug/Kg		46	42 - 110	17
Hexachlorobutadiene	ND		658	339	J	ug/Kg		52	40 - 114	10
Surrogate	MSD %Recovery		MSD Qualifier	Limits						
2,4,6-Tribromophenol	287	X		21 - 116						
2-Fluorobiphenyl	56			28 - 108						
2-Fluorophenol	52			28 - 107						
Nitrobenzene-d5	60			27 - 110						
Phenol-d5	62			30 - 112						
Terphenyl-d14	45			21 - 130						

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: LB 180-73387/17-C LB				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	ND		0.098	0.018	mg/Kg		06/20/13 10:35	06/22/13 17:21		1
Lead	0.00451	J	0.098	0.0037	mg/Kg		06/20/13 10:35	06/22/13 17:21		1

Lab Sample ID: MB 180-75345/1-A				Client Sample ID: Method Blank						
Matrix: Tissue				Prep Type: Total/NA						
Analysis Batch: 75552				Prep Batch: 75345						
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	0.0172	J	0.089	0.016	mg/Kg		06/20/13 10:35	06/22/13 17:26		1
Lead	ND		0.089	0.0034	mg/Kg		06/20/13 10:35	06/22/13 17:26		1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-75345/2-A

Matrix: Tissue

Analysis Batch: 75552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75345

Analyte	Spike	LCS	LCS				%Rec.
	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	3.96	3.45		mg/Kg	87	80 - 120	
Lead	1.98	1.95		mg/Kg	99	80 - 120	

Lab Sample ID: 180-21640-19 MS

Matrix: Tissue

Analysis Batch: 75632

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(T)

Prep Type: Total/NA

Prep Batch: 75345

Analyte	Sample	Sample	Spike	MS	MS				%Rec.
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Arsenic	0.11	B	3.88	3.45		mg/Kg	86	75 - 125	
Lead	0.038	J B	1.94	1.92		mg/Kg	97	75 - 125	

Lab Sample ID: 180-21640-19 MSD

Matrix: Tissue

Analysis Batch: 75632

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-18(T)

Prep Type: Total/NA

Prep Batch: 75345

Analyte	Sample	Sample	Spike	MSD	MSD				%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	0.11	B	3.77	3.30		mg/Kg	85	75 - 125		4	20
Lead	0.038	J B	1.89	1.85		mg/Kg	96	75 - 125		4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: LB 180-73387/17-B LB

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75301

Analysis Batch: 75367

Analyte	LB	LB				D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL	MDL	Unit				
Mercury	ND		0.033	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:15	1

Lab Sample ID: MB 180-75301/1-A

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75301

Analysis Batch: 75367

Analyte	MB	MB				D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL	MDL	Unit				
Mercury	ND		0.032	0.011	mg/Kg		06/20/13 04:24	06/20/13 09:11	1

Lab Sample ID: LCS 180-75301/2-A

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75301

Analysis Batch: 75367

Analyte	Spike	LCS	LCS				%Rec.
	Added	Result	Qualifier	Unit	D	%Rec	Limits
Mercury	0.417	0.415		mg/Kg	100	80 - 120	

Lab Sample ID: 180-21640-12 MS

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(H)

Prep Type: Total/NA

Prep Batch: 75301

Analysis Batch: 75367

Analyte	Sample	Sample	Spike	MS	MS				%Rec.
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Mercury	ND		0.164	0.150		mg/Kg	91	75 - 125	

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 180-21640-12 MSD

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-17(H)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75367

Prep Batch: 75301

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier			87	Limits	RPD
Mercury	ND		0.161	0.140		mg/Kg		75 - 125	7	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-21640-1 DU

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-11(T)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75945

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	
Percent Moisture	81		82		%		0.5	20

Lab Sample ID: 180-21640-11 DU

Client Sample ID: 055364-T2-052813-FT-CRAWFISH-16(H)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75945

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	
Percent Moisture	26		29		%		11	20

Method: Lipids - Percent Lipids

Lab Sample ID: LB 180-73387/17-D LB

Client Sample ID: Method Blank

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75919

Prep Batch: 75834

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Percent Lipids	ND		0.096	0.028	%		06/26/13 06:30	06/26/13 06:30	1

Lab Sample ID: MB 180-75834/1-A

Client Sample ID: Method Blank

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75919

Prep Batch: 75834

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Percent Lipids	ND		0.10	0.030	%		06/26/13 06:30	06/26/13 06:30	1

Lab Sample ID: LCS 180-75834/2-A

Client Sample ID: Lab Control Sample

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75919

Prep Batch: 75834

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	
	Added	Result	Qualifier			%	
Percent Lipids	10.0	9.10		%		91	30 - 150

Lab Sample ID: LCSD 180-75834/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75919

Prep Batch: 75834

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec.	
	Added	Result	Qualifier			%	
Percent Lipids	10.0	8.89		%		89	30 - 150

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Method: Lipids - Percent Lipids (Continued)

Lab Sample ID: 180-21640-2 DU

Client Sample ID: 055364-T2-052213-FT-CRAWFISH-11(O)

Matrix: Tissue

Prep Type: Total/NA

Analysis Batch: 75919

Prep Batch: 75834

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier			10	25
Percent Lipids	2.1		2.36		%	D	10	25

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

GC/MS Semi VOA

Cleanup Batch: 72914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-72914/19-H LB	Method Blank	Total/NA	Tissue	In House	

Cleanup Batch: 73385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	Frozen Storage	
180-21640-11 MS	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	Frozen Storage	
180-21640-11 MSD	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	Frozen Storage	
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	Frozen Storage	
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	Frozen Storage	
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	Frozen Storage	
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	Frozen Storage	
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 73387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	In House	73385
180-21640-11 MS	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	In House	73385
180-21640-11 MSD	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	In House	73385
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	In House	73385
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	In House	73385
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	In House	73385
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	In House	73385
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	In House	73385

Prep Batch: 75835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3541	73387
180-21640-11 MS	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3541	73387
180-21640-11 MSD	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3541	73387
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	3541	73387
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	3541	73387
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	3541	73387
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	3541	73387
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	3541	73387
LB 180-72914/19-H LB	Method Blank	Total/NA	Tissue	3541	72914
LCS 180-75835/2-B	Lab Control Sample	Total/NA	Tissue	3541	
MB 180-75835/1-B	Method Blank	Total/NA	Tissue	3541	

Cleanup Batch: 75865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3640A	75835
180-21640-11 MS	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3640A	75835
180-21640-11 MSD	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3640A	75835
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	3640A	75835
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	3640A	75835
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	3640A	75835
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	3640A	75835
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	3640A	75835
LB 180-72914/19-H LB	Method Blank	Total/NA	Tissue	3640A	75835
LCS 180-75835/2-B	Lab Control Sample	Total/NA	Tissue	3640A	75835
MB 180-75835/1-B	Method Blank	Total/NA	Tissue	3640A	75835

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

GC/MS Semi VOA (Continued)

Analysis Batch: 76346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	8270C LL	75865
180-21640-11 MS	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	8270C LL	75865
180-21640-11 MSD	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	8270C LL	75865
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	8270C LL	75865
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	8270C LL	75865
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	8270C LL	75865
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	8270C LL	75865
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	8270C LL	75865
LB 180-72914/19-H LB	Method Blank	Total/NA	Tissue	8270C LL	75865
LCS 180-75835/2-B	Lab Control Sample	Total/NA	Tissue	8270C LL	75865
MB 180-75835/1-B	Method Blank	Total/NA	Tissue	8270C LL	75865

Metals

Cleanup Batch: 73385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	Frozen Storage	
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	Frozen Storage	
180-21640-12 MS	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	Frozen Storage	
180-21640-12 MSD	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	Frozen Storage	
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	Frozen Storage	
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	Frozen Storage	
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	Frozen Storage	
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	Frozen Storage	
180-21640-19 MS	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	Frozen Storage	
180-21640-19 MSD	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	Frozen Storage	

Cleanup Batch: 73387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	In House	73385
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	In House	73385
180-21640-12 MS	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	In House	73385
180-21640-12 MSD	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	In House	73385
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	In House	73385
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	In House	73385
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	In House	73385
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	In House	73385
180-21640-19 MS	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	In House	73385
180-21640-19 MSD	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	In House	73385
LB 180-73387/17-B LB	Method Blank	Total/NA	Tissue	In House	
LB 180-73387/17-C LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 75301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	7471A	73387
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	7471A	73387
180-21640-12 MS	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	7471A	73387
180-21640-12 MSD	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	7471A	73387
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	7471A	73387
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	7471A	73387

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

Metals (Continued)

Prep Batch: 75301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	7471A	73387
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	7471A	73387
LB 180-73387/17-B LB	Method Blank	Total/NA	Tissue	7471A	73387
LCS 180-75301/2-A	Lab Control Sample	Total/NA	Tissue	7471A	73387
MB 180-75301/1-A	Method Blank	Total/NA	Tissue	7471A	73387

Prep Batch: 75345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3050B	73387
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	3050B	73387
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	3050B	73387
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	3050B	73387
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	3050B	73387
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	3050B	73387
180-21640-19 MS	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	3050B	73387
180-21640-19 MSD	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	3050B	73387
LB 180-73387/17-C LB	Method Blank	Total/NA	Tissue	3050B	73387
LCS 180-75345/2-A	Lab Control Sample	Total/NA	Tissue	3050B	73387
MB 180-75345/1-A	Method Blank	Total/NA	Tissue	3050B	73387

Analysis Batch: 75367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	7471A	75301
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	7471A	75301
180-21640-12 MS	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	7471A	75301
180-21640-12 MSD	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	7471A	75301
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	7471A	75301
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	7471A	75301
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	7471A	75301
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	7471A	75301
LB 180-73387/17-B LB	Method Blank	Total/NA	Tissue	7471A	75301
LCS 180-75301/2-A	Lab Control Sample	Total/NA	Tissue	7471A	75301
MB 180-75301/1-A	Method Blank	Total/NA	Tissue	7471A	75301

Analysis Batch: 75552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	6020	75345
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	6020	75345
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	6020	75345
LB 180-73387/17-C LB	Method Blank	Total/NA	Tissue	6020	75345
LCS 180-75345/2-A	Lab Control Sample	Total/NA	Tissue	6020	75345
MB 180-75345/1-A	Method Blank	Total/NA	Tissue	6020	75345

Analysis Batch: 75632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	6020	75345
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	6020	75345
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	6020	75345
180-21640-19 MS	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	6020	75345
180-21640-19 MSD	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	6020	75345

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

General Chemistry

Cleanup Batch: 73385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-1	055364-T2-052213-FT-CRAWFISH-11(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-2	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	Frozen Storage	5
180-21640-2 DU	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	Frozen Storage	5
180-21640-3	055364-T2-052213-FT-CRAWFISH-12(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-4	055364-T2-052213-FT-CRAWFISH-12(O)	Total/NA	Tissue	Frozen Storage	5
180-21640-5	055364-T2-052213-FT-CRAWFISH-13(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-6	055364-T2-052213-FT-CRAWFISH-13(O)	Total/NA	Tissue	Frozen Storage	5
180-21640-7	055364-T2-052213-FT-CRAWFISH-14(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-8	055364-T2-052213-FT-CRAWFISH-14(O)	Total/NA	Tissue	Frozen Storage	5
180-21640-9	055364-T2-052213-FT-CRAWFISH-15(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-10	055364-T2-052213-FT-CRAWFISH-15(O)	Total/NA	Tissue	Frozen Storage	5
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	Frozen Storage	5
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	Frozen Storage	5
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	Frozen Storage	5
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	Frozen Storage	5
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	Frozen Storage	5

Cleanup Batch: 73387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-1	055364-T2-052213-FT-CRAWFISH-11(T)	Total/NA	Tissue	In House	73385
180-21640-2	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	In House	73385
180-21640-2 DU	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	In House	73385
180-21640-3	055364-T2-052213-FT-CRAWFISH-12(T)	Total/NA	Tissue	In House	73385
180-21640-4	055364-T2-052213-FT-CRAWFISH-12(O)	Total/NA	Tissue	In House	73385
180-21640-5	055364-T2-052213-FT-CRAWFISH-13(T)	Total/NA	Tissue	In House	73385
180-21640-6	055364-T2-052213-FT-CRAWFISH-13(O)	Total/NA	Tissue	In House	73385
180-21640-7	055364-T2-052213-FT-CRAWFISH-14(T)	Total/NA	Tissue	In House	73385
180-21640-8	055364-T2-052213-FT-CRAWFISH-14(O)	Total/NA	Tissue	In House	73385
180-21640-9	055364-T2-052213-FT-CRAWFISH-15(T)	Total/NA	Tissue	In House	73385
180-21640-10	055364-T2-052213-FT-CRAWFISH-15(O)	Total/NA	Tissue	In House	73385
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	In House	73385
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	In House	73385
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	In House	73385
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	In House	73385
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	In House	73385
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	In House	73385
LB 180-73387/17-D LB	Method Blank	Total/NA	Tissue	In House	

Prep Batch: 75834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-1	055364-T2-052213-FT-CRAWFISH-11(T)	Total/NA	Tissue	3541	73387
180-21640-2	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	3541	73387
180-21640-2 DU	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	3541	73387
180-21640-3	055364-T2-052213-FT-CRAWFISH-12(T)	Total/NA	Tissue	3541	73387
180-21640-4	055364-T2-052213-FT-CRAWFISH-12(O)	Total/NA	Tissue	3541	73387
180-21640-5	055364-T2-052213-FT-CRAWFISH-13(T)	Total/NA	Tissue	3541	73387
180-21640-6	055364-T2-052213-FT-CRAWFISH-13(O)	Total/NA	Tissue	3541	73387
180-21640-7	055364-T2-052213-FT-CRAWFISH-14(T)	Total/NA	Tissue	3541	73387
180-21640-8	055364-T2-052213-FT-CRAWFISH-14(O)	Total/NA	Tissue	3541	73387
180-21640-9	055364-T2-052213-FT-CRAWFISH-15(T)	Total/NA	Tissue	3541	73387

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

General Chemistry (Continued)

Prep Batch: 75834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-10	055364-T2-052213-FT-CRAWFISH-15(O)	Total/NA	Tissue	3541	73387
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	3541	73387
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	3541	73387
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	3541	73387
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	3541	73387
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	3541	73387
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	3541	73387
LB 180-73387/17-D LB	Method Blank	Total/NA	Tissue	3541	73387
LCS 180-75834/2-A	Lab Control Sample	Total/NA	Tissue	3541	
LCSD 180-75834/3-A	Lab Control Sample Dup	Total/NA	Tissue	3541	
MB 180-75834/1-A	Method Blank	Total/NA	Tissue	3541	

Analysis Batch: 75919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-1	055364-T2-052213-FT-CRAWFISH-11(T)	Total/NA	Tissue	Lipids	75834
180-21640-2	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	Lipids	75834
180-21640-2 DU	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	Lipids	75834
180-21640-3	055364-T2-052213-FT-CRAWFISH-12(T)	Total/NA	Tissue	Lipids	75834
180-21640-4	055364-T2-052213-FT-CRAWFISH-12(O)	Total/NA	Tissue	Lipids	75834
180-21640-5	055364-T2-052213-FT-CRAWFISH-13(T)	Total/NA	Tissue	Lipids	75834
180-21640-6	055364-T2-052213-FT-CRAWFISH-13(O)	Total/NA	Tissue	Lipids	75834
180-21640-7	055364-T2-052213-FT-CRAWFISH-14(T)	Total/NA	Tissue	Lipids	75834
180-21640-8	055364-T2-052213-FT-CRAWFISH-14(O)	Total/NA	Tissue	Lipids	75834
180-21640-9	055364-T2-052213-FT-CRAWFISH-15(T)	Total/NA	Tissue	Lipids	75834
180-21640-10	055364-T2-052213-FT-CRAWFISH-15(O)	Total/NA	Tissue	Lipids	75834
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	Lipids	75834
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	Lipids	75834
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	Lipids	75834
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	Lipids	75834
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	Lipids	75834
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	Lipids	75834
LB 180-73387/17-D LB	Method Blank	Total/NA	Tissue	Lipids	75834
LCS 180-75834/2-A	Lab Control Sample	Total/NA	Tissue	Lipids	75834
LCSD 180-75834/3-A	Lab Control Sample Dup	Total/NA	Tissue	Lipids	75834
MB 180-75834/1-A	Method Blank	Total/NA	Tissue	Lipids	75834

Analysis Batch: 75945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-1	055364-T2-052213-FT-CRAWFISH-11(T)	Total/NA	Tissue	2540G	
180-21640-1 DU	055364-T2-052213-FT-CRAWFISH-11(T)	Total/NA	Tissue	2540G	
180-21640-2	055364-T2-052213-FT-CRAWFISH-11(O)	Total/NA	Tissue	2540G	
180-21640-3	055364-T2-052213-FT-CRAWFISH-12(T)	Total/NA	Tissue	2540G	
180-21640-4	055364-T2-052213-FT-CRAWFISH-12(O)	Total/NA	Tissue	2540G	
180-21640-5	055364-T2-052213-FT-CRAWFISH-13(T)	Total/NA	Tissue	2540G	
180-21640-6	055364-T2-052213-FT-CRAWFISH-13(O)	Total/NA	Tissue	2540G	
180-21640-7	055364-T2-052213-FT-CRAWFISH-14(T)	Total/NA	Tissue	2540G	
180-21640-8	055364-T2-052213-FT-CRAWFISH-14(O)	Total/NA	Tissue	2540G	
180-21640-9	055364-T2-052213-FT-CRAWFISH-15(T)	Total/NA	Tissue	2540G	
180-21640-10	055364-T2-052213-FT-CRAWFISH-15(O)	Total/NA	Tissue	2540G	
180-21640-11	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	2540G	
180-21640-11 DU	055364-T2-052813-FT-CRAWFISH-16(H)	Total/NA	Tissue	2540G	

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 0055364, Devils Swamp

TestAmerica Job ID: 180-21640-1

General Chemistry (Continued)

Analysis Batch: 75945 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-21640-12	055364-T2-052813-FT-CRAWFISH-17(H)	Total/NA	Tissue	2540G	
180-21640-13	055364-T2-052813-FT-CRAWFISH-18(H)	Total/NA	Tissue	2540G	
180-21640-15	055364-T2-052813-FT-CRAWFISH-16(T)	Total/NA	Tissue	2540G	
180-21640-17	055364-T2-052813-FT-CRAWFISH-17(T)	Total/NA	Tissue	2540G	
180-21640-19	055364-T2-052813-FT-CRAWFISH-18(T)	Total/NA	Tissue	2540G	

**Chain of
Custody Record**

TAL-4124-280 (0508)

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

31, 34 #2

Client CRA			Project Manager Katie Munce			Date 05/28/13	Chain of Custody Number 156238											
Address 5551 Corporate Blvd., Suite 200			Telephone Number (Area Code)/Fax Number 225-292-9007			Lab Number	Page 1 of 2											
City Baton Rouge	State LA	Zip Code 70808	Site Contact Alice Johnson	Lab Contact Jill Colussy	Analysis (Attach list if more space is needed)													
Project Name and Location (State) Devil's Swamp - BR, LA			Carrier/Waybill Number															
Contract/Purchase Order/Quote No.			Matrix			Containers & Preservatives			Special Instructions/ Conditions of Receipt									
Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date	Time	Air	Aqueous	Sed.	Soil		FT	Unpres.	H ₂ SO ₄	HNO ₃	HCl	NaOH	ZnAc ₂ NaOH		
055364-T2-052213-FT-CRAWFISH-11(T)			05/22/13	1135						X X								
055364-T2-052213-FT-CRAWFISH-11(U)				1135														
055364-T2-052213-FT-CRAWFISH-12(T)				1140														
055364-T2-052213-FT-CRAWFISH-12(U)				1140														
055364-T2-052213-FT-CRAWFISH-13(T)				1145														
055364-T2-052213-FT-CRAWFISH-13(U)				1145														
055364-T2-052213-FT-CRAWFISH-14(T)				1150														
055364-T2-052213-FT-CRAWFISH-14(U)				1150														
055364-T2-052213-FT-CRAWFISH-15(T)			↓	1155														
055364-T2-052213-FT-CRAWFISH-15(U)			05/22/13	1155														
055364-T2-052213-FT-CRAWFISH-16(H)			05/28/13	1200														
055364-T2-052213-FT-CRAWFISH-17(H)			05/28/13	1215					X X		X X X X							
Possible Hazard Identification			Sample Disposal						(A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months															
Turn Around Time Required											QC Requirements (Specify)							
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other <u>Regular</u>																		
1. Relinquished By <u>Alia E. Johnson</u>			Date 05/28/13	Time 1500	1. Received By <u>M. Smith</u>			Date 5/29/13		Time 10:00								
2. Relinquished By			Date	Time	2. Received By			Date		Time								
3. Relinquished By			Date	Time	3. Received By			Date		Time								

Comments

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes No **Chain of Custody Record**

TAL-4124-280 (0508)

Client

CRA

Address

5551 Corporate Blvd., Suite 200

City

Baton Rouge

State

LA

Zip Code

70808

Project Manager

Katie Munce

Telephone Number (Area Code)/Fax Number

225-292-9007

Site Contact

Alice Johnson

Lab Contact

Jill Colussey

Carrier/Waybill Number

Project Name and Location (State)

Denil's Swamp - BR, LA

Contract/Purchase Order/Quote No.

Date
05/28/13

Lab Number

Chain of Custody Number
156239

Page 2 of 2

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	
			Air	Aqueous	Sed.	Soil	FT	Unpress.	H2SO4	HNO3	HCl	
05536A-TA-052813-FT-CRAWFISH-18(H)	05/28/13	1225					X	X				201 PCB Congeners (100%)
05536A-TA-052813-FT-CRAWFISH-19(H)	05/28/13	1240					X	X				Liquid Content Percent Moisture

*Hold Sample #19
until told to run
by CRA

Possible Hazard Identification	Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months	
Turn Around Time Required	QC Requirements (Specify)				
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other Normal					
1. Relinquished By <i>Alice Johnson</i>	Date 05/26/13	Time 1500	1. Received By <i>M. Munce</i>	Date 5-24-13	Time 10:00
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 180-21640-1

Login Number: 21640

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: O'Donnell, Brandon R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	